

20021221.qrp v02_n776.qrl.20021221

Date: Sat, 21 Dec 2002 19:03:07 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2776

QRP-L Digest 2776

Topics covered in this issue include:

- 1) [142693] Re: Gripes (was How To Check Antenna VSWR)
by Dave Richards <wr3i@earthlink.net>
- 2) [142694] "IN A HAND BASKET"
by hamjoel@juno.com
- 3) [142695] Re: Off Topic: Our Education System
by Alex <kr1st@amsat.org>
- 4) [142696] Re: Gripes (was How To Check Antenna VSWR)
by W2AGN <w2agn@w2agn.net>
- 5) [142697] Re: Offensive Language Terms
by "John" <jdorson@worldshare.net>
- 6) [142698] Re: Offensive Language Terms
by Thom LaCosta <baltimoremd@baltimoremd.com>
- 7) [142699] Re: Offensive Language Terms
by Thom LaCosta <baltimoremd@baltimoremd.com>
- 8) [142700] Re: Off Topic: Our Education System
by Thom LaCosta <baltimoremd@baltimoremd.com>
- 9) [142701] Re: Offensive Language Terms
by "Bob and Janet" <jbcraft@adelphia.net>
- 10) [142702] Re: Off Topic: Our Education System
by Thom LaCosta <baltimoremd@baltimoremd.com>
- 11) [142703] Re: Off Topic: Our Education System
by "Bob and Janet" <jbcraft@adelphia.net>
- 12) [142704] Re: Off Topic: Our Education System
by <sjolin@swbell.net>
- 13) [142705] Re: Offensive Language Terms
by "James R. Duffey" <JamesDuffey@comcast.net>
- 14) [142706] Re: Radio Electronics Magazine
by JD Delancy <W1JD@drix.net>
- 15) [142707] [OT] finding old books
by jacksonharbor@att.net
- 16) [142708] Re: "Ultimatic" meaning?
by David Toepfer <davetoepfer@yahoo.com>
- 17) [142709] books
by Ted Buckley <tedb@aracnet.com>
- 18) [142710] portable antenna continued
by Gary Lee <kb9zuv@arrl.net>
- 19) [142711] Fox - Winter Fox Hunt Teams Results.

- by Bruce Rattray <rattray@gpfn.sk.ca>
- 20) [142712] HB - trool
by "Harry T. Hurst" <wa3ptg@comcast.net>
- 21) [142713] Re: "Ultimatic" meaning?
by "Merton Nellis" <mertnellis@msn.com>
- 22) [142714] Gripes & OT Topics
by Bill ROWLETT <kc4atu@yahoo.com>
- 23) [142715] Re: SKN/RMN Gettin' Ready
by "Bill, N4QA" <n4qa@hotmail.com>
- 24) [142716] Inductance Calculation
by "Byron Tatum" <bjtatum@ev1.net>
- 25) [142717] RTFM - Think of this...
by "Jason Hissong" <jhisson1@columbus.rr.com>
- 26) [142718] Re: Radio Electronics Magazine
by KD5NWA <KD5NWA@cbayona.com>
- 27) [142719] Re: Off Topic: Our Education System
by JClinton46@aol.com
- 28) [142720] Re: portable antenna continued
by "Joe Martin" <km5cw@arrl.net>
- 29) [142721] Ten-Tec 282 filtre *sold*
by "Doc K0EVZ" <dock0evz@earthlink.net>
- 30) [142722] Re: RTFM - Think of this...
by Johnathan Corgan <jcorgan@aeinet.com>
- 31) [142723] Re: portable antenna continued
by "brian" <brian@iquest.net>
- 32) [142724] Re: HB - trool
by "Joe Martin" <km5cw@arrl.net>
- 33) [142725] New Altoids Flavor???
- by "Dennis Ponsness" <wb0wao@hotmail.com>
- 34) [142726] FS--Norcal 20 rig
by "Doc K0EVZ" <dock0evz@earthlink.net>
- 35) [142727] Re: NVIS and the FOX
by "Stephen Yates" <aa5tb@arrl.net>
- 36) [142728] This Mailing List
by "Dennis W. Farrell" <dfarrell@ridgecrest.ca.us>
- 37) [142729] QSL routing for 6W1/F8IXZ?
by "Doc K0EVZ" <dock0evz@earthlink.net>
- 38) [142730] Latest Additions...
by Paul Valko <w8kc@comcast.net>
- 39) [142731] OT:Russian Beacon - M heard LOUD this morning
by "Trevor Jacobs" <kg6cyn@earthlink.net>
- 40) [142732] Re: SKN/RMN Gettin' Ready
by Chuck Carpenter <w5usj@9plus.net>
- 41) [142733] QRP Contest Calendar for 2003
by "Ron Polityka" <wb3aal@fast.net>
- 42) [142734] Want to buy... Kit
by N4SKS@cs.com
- 43) [142735] Re: OT:Russian Beacon - M heard LOUD this morning

by "Karl F. Larsen" <k5di@zianet.com>
44) [142736] Antenna Wire
by "Tom Pennebaker" <n4rs@netpath-rc.net>
45) [142737] HB - My latest Project (long)
by W2EB <w2eb@twcnny.rr.com>
46) [142738] Re: Antenna Wire
by Rick McKee <kc8aon@juno.com>
47) [142739] OP: Change of Date
by Kenneth Hoglund <hoglund@wfu.edu>
48) [142740] Has anyone found the perfect Nor'easter box
by dbirnbaum@attbi.com
49) [142741] Re: HB - trool
by "Harold Smith" <harold.smith1@worldnet.att.net>
50) [142742] Re: OT:Russian Beacon - M heard LOUD this morning
by "Chuck Adams, K7Q0" <k7qo@earthlink.net>
51) [142743] RF Exposure through Plastic Cases?
by "Richard Slone" <sloner@earthlink.net>
52) [142744] Donations
by "Lee Mairs" <lmairs@direcway.com>
53) [142745] Re: OT:Russian Beacon - M heard LOUD this morning
by William R Colbert <w5xe@juno.com>
54) [142746] Re: RF Exposure through Plastic Cases?
by Scott Gregson <emtech@steadynet.com>
55) [142747] Re: RF Exposure through Plastic Cases?
by "brian" <brian@iquest.net>
56) [142748] Thanks for info on the LDG AT-11MP and MFJ-969
by "Kevin F. Glynn" <kfglynn@mindspring.com>
57) [142749] Re: New Altoids Flavor???
by Robert Honan <robertus@harbornet.com>
58) [142750] RH-20 spoken for
by "Doc K0EVZ" <dock0evz@earthlink.net>
59) [142751] Oops--I meant *NC-20* [g]
by "Doc K0EVZ" <dock0evz@earthlink.net>
60) [142752] Class E amp = Cold Fusion?
by Chris Cartwright <ccart@phideaux.com>
61) [142753] Re: Class E amp = Cold Fusion?
by "Chris Trask" <chistrask@earthlink.net>
62) [142754] Compare K2 to Ten-Tec Argo V?
by "Doc K0EVZ" <dock0evz@earthlink.net>
63) [142755] Re: Antenna Wire
by Steven Weber <kd1jv@moose.ncia.net>
64) [142756] Re: RF Exposure through Plastic Cases?
by David Hinerman <WD8CIV@worldnet.att.net>
65) [142757] Re: Has anyone found the perfect Nor'easter box
by "Bill Jones" <kd7s@psnw.com>
66) [142758] Re: RF Exposure through Plastic Cases?
by "Mike Branca" <w3irz@att.net>
67) [142759] merry xmas

by neil <ntan@crosslink.net>
68) [142760] Auttek WM-1 Help
by "William Phinizy" <k6whp@verizon.net>
69) [142761] Guam Update
by Paul Womble <pwomble1@tampabay.rr.com>
70) [142762] Re: Class E amp = Cold Fusion?
by "George Heron N2APB" <n2apb@erols.com>
71) [142763] Re: RF Exposure through Plastic Cases?
by Scott Gregson <emtech@steadynet.com>
72) [142764] Re: RF Exposure through Plastic Cases?
by Scott Gregson <emtech@steadynet.com>
73) [142765] OT Windows XP HELP
by "Laird Jerman" <ljerman@earthlink.net>
74) [142766] sneak....P-R-E-V-I-E-W !... DSWTUN03
by "Bill, N4QA" <n4qa@hotmail.com>
75) [142767] Re: Class E amp = Cold Fusion?
by Steven Weber <kd1jv@moose.ncia.net>
76) [142768] WTB: Rascal interface for FT-817
by "NZ8J" <nz8j@woh.rr.com>
77) [142769] FOX: K3ESE Log 1.1
by Lloyd Lachow <llachow@yahoo.com>
78) [142770] Re: OT:Russian Beacon - M heard LOUD this morning
by "Karl F. Larsen" <k5di@zianet.com>
79) [142771] OT - Capacitor Replacement - Computer Motherboard
by David Castor <dpcastor@attbi.com>
80) [142772] Hacking the NJQRP/K8IQY PVX0
by Nick Kennedy <nkennedy@tcainternet.com>
81) [142773] Re: New Altoids Flavor???
by "Stephen Yates" <aa5tb@arrl.net>
82) [142774] Re: FOX: K3ESE Log 1.0
by "Karl F. Larsen" <k5di@zianet.com>
83) [142775] Re: FOX: K3ESE Log 1.0
by Fred Lesnick <flesnick@tbaytel.net>
84) [142776] Class E Amp??
by "Karl F. Larsen" <k5di@zianet.com>
85) [142777] Re: RF Exposure through Plastic Cases?
by David Hinerman <WD8CIV@worldnet.att.net>
86) [142778] SKN/RMN redux ready to ROCK [Mite]
by "Rod N0RC" <rod@n0rc.us>
87) [142779] RE: OT - Capacitor Replacement - Computer Motherboard
by "Sverre Holm - LA3ZA" <la3za@qsl.net>
88) [142780] Nao JA6PA on 21.060 lookin fer calls at 23:35 UTC
by "Trevor Jacobs" <kg6cyn@earthlink.net>
89) [142781] Re: [CQCLIST] SKN/RMN redux ready to ROCK [Mite]
by "Rod N0RC" <rod@n0rc.us>
90) [142782] Re: OT Windows XP HELP
by "Dave Ek" <ekdave@earthlink.net>
91) [142783] Re: FOX: K3ESE Log 1.0

by Paul Womble <pwomble1@tampabay.rr.com>
92) [142784] Re: OT - Capacitor Replacement - Computer Motherboard
by "Lee Mairs" <lmairs@direcway.com>
93) [142785] Re: Class E amp = Cold Fusion?
by "George Heron N2APB" <n2apb@erols.com>

Date: Fri, 20 Dec 2002 19:05:05 -0500
From: Dave Richards <wr3i@earthlink.net>
To: w2agn@w2agn.net,
Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [142693] Re: Gripes (was How To Check Antenna VSWR)
Message-ID: <oprhqairaukb5jrn@localhost>
Content-Type: text/plain; charset=utf-8; format=flowed
MIME-Version: 1.0

John,

Apparently its me! Unfortunately I expect Hams to learn the subject in order to pass the tests rather than pass the tests to learn the subject I am in error!

Dave

WR3I

> On 20 Dec 2002 at 11:42, Jake Brodsky wrote:

>

>>

>> If you can't immediately answer YES to that demand and then prove it,
>> then you owe him an answer. You have a very corrosive attitude. It's
>> thanks in no small part to smart-assed idiots(*) like you that the
>> number of licensees in this hobby is shrinking.

>>

>> (* Note: I'm using the word idiot in the original Greek sense --this
>> was originally the term for a citizen in a democracy who didn't
>> participate)

>>

>> 73,

>>

>> Jake Brodsky, AB3A <mailto:frussle@erols.com>

>> "Beware of the massive impossible!"

>>

>

> Makes me wonder. WHO is the "idiot" with the "corrosive attitude" that Jake
> is speaking to? Since I hadn't posted on this for a while, it must be me
> there is ANOTHER idiot with a corrosive attitude out there, but I missed
> his offending post.

>

> Oh well, this thread has served a couple of purposes.

>
> 1. It has allowed old curmudgeons like myself that think education today has
> gone to H*ll in a handbasket, and everyone expects to be spoonfed, an
opportunity
> to express ourselves.
>
> 2. It has given the self-righteous, "pat me on the back because I answer stupid
> questions," (dare I say, liberal?) crowd an opportunity to pat themselves
> on the back again, and feel good because after all, every ham is equal,
> and the jerk tuning up on the Fox last night was a brother, too.
>
>
> "Corrosive attitude?" Not me!
>
>
> ---
> +---+---+---+---+ John L. Sielke
> |W||2||A||G||N| http://www.w2agn.net [UPDATED]
> +---+---+---+---+ Ex-K3HLU,TF2WKT,W7JEF,W4MPC,N4JS
>

--
Dave Richards

Date: Sat, 21 Dec 2002 00:04:48 GMT
From: hamjoel@juno.com
To: qrp-1@Lehigh.EDU, fpqrp-1@mpna.com
Subject: [142694] "IN A HAND BASKET"
Message-ID: <20021220.160507.27064.442963@webmail1.wlv.untd.com>

high y'all
dont' mind me none, just wants to points out some descrepencies read hear and
thair...
on education...going south...
first off u need to geaux look in the mirror... now what u see in that mirror is a
product of our education system... what u think now...
on Cuss words.... except when suprised or in extreme pain
Cuss words an't nessary mostly...heck... manure covers lots of things....
offspring of a female dog covers all bodies...
other similiar non offensive, humreous terms can be used when writing, most of the
time...
Course, with one saying we an't got's neaux education ah would expect cuss words
to be the norm of undereducated folk... So we bees in a no-win situation heah...
Lets we concider things be about "as normal" now as "normal" was back then.....

we come down to folk what an't happy with themself and blame it on others and folk what think we done all did bout as good as we had the chance to do...

Besides what good does it do to use 75 cent words to someone what usderstands no meaux than 25 cent words.... Really.... Communication is what its about... the rest is all ego...

now who bees on 40 meter qrp tonite besdes ke1la?

ke1la joel
in maine
looking up a 50 cent word in a dictionary

KE1LA JOEL
IN MAINE
FREEZIN

Sign Up for Juno Platinum Internet Access Today
Only \$9.95 per month!
Visit www.juno.com

Date: Sun, 15 Dec 2002 00:46:05 -0500
From: Alex <kr1st@amsat.org>
To: ki6ds@dph.dpol.net
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [142695] Re: Off Topic: Our Education System
Message-ID: <3DFC171D.EA1C6956@amsat.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Doug Hendricks wrote:

> Who has the highest standard of living
> in the world? We do. As proof, why does everyone want to come here to
> live? If our educational system is so bad, why do we have the best computer
> systems? Why do we have the best living conditions? The best economic
> system. Ask yourself that.

It's nice to see you understand us immigrants so well, Doug.

Indeed, Merry KR1STmas.

73,

--Alex KR1ST

Date: Fri, 20 Dec 2002 19:13:43 -0500
From: W2AGN <w2agn@w2agn.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [142696] Re: Gripes (was How To Check Antenna VSWR)
Message-ID: <3E036BE7.30177.1A0AC1DA@localhost>
MIME-version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

On 20 Dec 2002 at 19:05, Dave Richards wrote:

> John,
> Apparently its me! Unfortunately I expect Hams to learn the subject in
> order to pass the tests rather than pass the tests to learn the subject
> I am in error!
> Dave
> WR3I

Shame on you! As penance, go on the local repeater, and teach some Extra
class how to program his HT.

+-----+ John L. Sielke
|W||2||A||G||N| <http://www.w2agn.net> [UPDATED]
+-----+ Ex-K3HLU,TF2WKT,W7JEF,W4MPC,N4JS

Date: Fri, 20 Dec 2002 19:16:42 -0500
From: "John" <jdorson@worldshare.net>
To: <bshort4@cox.net>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [142697] Re: Offensive Language Terms
Message-ID: <002b01c2a886\$411da0e0\$567d8d41@ATHOME>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

What does this post have to do with QRP, ham radio, or anything this list
was created for.

Sounds like a cry baby and should not be here.

John K2JHU...

----- Original Message -----

From: "Brian Short" <bshort4@cox.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Friday, December 20, 2002 11:56 AM

Subject: Re: Offensive Language Terms

> I have a few comments on the education system from a first-hand
> perspective, not just broad generalizations.
>
> Because we moved 3 or 4 miles to what I thought was a nicer
> neighborhood, our son was expected to go to a grossly inferior
> school district. There is a huge disparity of per student expenditures
> between the two adjacent school districts and don't think that
> money doesn't matter.
>
> In Kindergarten, we paid for a private school.
>
> In First Grade we initially used the address of one of our rental
> properties and later applied for a boundary exemption. In short,
> I personally have driven my son to school and picked him up
> for eight years because the schools I can see from my house
> are sub-standard.
>
> Even in the better school, math is taught with no emphasis on
> skills of calculation. We have paid for private math instruction
> for our son in the Kumon program for 7 years and he routinely
> tests several years ahead on math tests given at his school.
>
> These are my personal experiences, lately.
>
> I could tell you about paying out-of-state tuition to get my BS
> degree when I got out of the Navy. Like I had a choice about
> my residency in the Navy.
>
> What is your point and what does it have to do with QRP?
>
> In my limited experience. folks are very reluctant to vote for
> tax increases to fund education (that is too liberal) and so
> teachers are underpaid grossly. Many of the good ones go
> to industry if they have math or science skills. What's left?
>
> Do you volunteer at your local school? Most have opportunities
> for volunteers to impact the lives of children...no wait...
>
> None of this has anything to do with QRP and probably many
> more people have similar experiences, but they choose to

> stay on topic.
>
> Give it a rest.
>
> On Friday, December 20, 2002, at 12:37 PM, W2AGN wrote:
> > Make that "Our education system is going to H*ck in a handbasket."
> > ---
> > +---+---+---+---+ John L. Sielke
> > |W||2||A||G||N| http://www.w2agn.net [UPDATED]
> > +---+---+---+---+ Ex-K3HLU,TF2WKT,W7JEF,W4MPC,N4JS
> --
> See my web page: <http://www.k7on.com>
>

Date: Fri, 20 Dec 2002 19:24:25 -0500 (EST)
From: Thom LaCosta <baltimoremd@baltimoremd.com>
To: W2AGN <w2agn@w2agn.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [142698] Re: Offensive Language Terms
Message-ID: <20021220192353.N36512-100000@unix1.vhost.min.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 20 Dec 2002, W2AGN wrote:

>
>
> OK, sorry.
>
> Make that "Our education system is going to H*ck in a handbasket."

Most likely cause no one give a _____

Thom

Date: Fri, 20 Dec 2002 19:31:17 -0500 (EST)
From: Thom LaCosta <baltimoremd@baltimoremd.com>
To: W2AGN <w2agn@w2agn.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [142699] Re: Offensive Language Terms
Message-ID: <20021220192851.Y36512-100000@unix1.vhost.min.net>
MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 20 Dec 2002, W2AGN wrote:

> > What are you going to do to improve the situation? What are you
> > suggesting
> > I do to improve the situation?
>
> Well, one thing you could do. Instead of lying about your address because
> "your" school system is sub-par, you could try to improve it, rather than
> find ways to avoid it

Let's see, falsification of one's address is a tremendous example for the children, isn't it? Yep, teach them that if they're smart enough, they can be dishonest enough to beat the system.

Somehow, I think that's missing the mark.

Date: Fri, 20 Dec 2002 19:35:49 -0500 (EST)
From: Thom LaCosta <baltimoremd@baltimoremd.com>
To: Doug Hendricks <ki6ds@dph.dpol.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [142700] Re: Off Topic: Our Education System
Message-ID: <20021220193154.U36512-100000@unix1.vhost.min.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 20 Dec 2002, Doug Hendricks wrote:

> I am a teacher. I teach because I love working with kids, always have and
> always will. My salary is fine.

I teach, I enjoy making a postive change in how someone functions in the world. I am underpaid.

Come to Baltimore...you will eat your words about how fine the kids are doing, the quality of education, the regard attributed to teachers.

You are very fortunate if your situation is as described. I'm afraid it does NOT mirror conditions in many urban areas.

Thom

baltimoremd@baltimoremd.com

Thom LaCosta K3HRN Webmaster

http://www.baltimoremd.com/	Baltimore's Home Page
http://www.baltimorehon.com/	Home of the Baltimore Lexicon
http://www.zerobeat.net	Home of The QRP Web Ring and DrakeList
http://www.tlchost.net	Web Hosting as low as \$3.49/month

Date: Fri, 20 Dec 2002 19:40:52 -0500
From: "Bob and Janet" <jbcraft@adelphia.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [142701] Re: Offensive Language Terms
Message-ID: <001401c2a889\$9f48f5e0\$51d73218@home.msft>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

only the generally accepted equivalents, such as dang, shoot and sheesh!

hummmm, isn't that the SAME as the offensive word? Every one knows what you MEAN when you say "shoot", so while you camouflauge the actual word, the meaning is there, and in this day of political correctness, are the words not equal?

Date: Fri, 20 Dec 2002 19:41:32 -0500 (EST)
From: Thom LaCosta <baltimoremd@baltimoremd.com>
To: Mike Manship <mjmanship@iquest.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [142702] Re: Off Topic: Our Education System
Message-ID: <20021220193710.T36512-100000@unix1.vhost.min.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 20 Dec 2002, Mike Manship wrote:

> At 02:13 PM 12/20/02 -0800, Doug Hendricks wrote:
> >We educate everyone who wants an education, for free. The taxpayers pay for
> >it.
>
> Huh ???
> I guess there is such a thing as a free lunch after all !

Let's see, in many urban areas, where folks start reproducing in their teens there may have been up to 5 generations of folks who only know getting a free lunch. So, if the society around you doesn't know/value work, we should be surprized that there are folks with advanced certification who ain't motivated enough to learn the subject.

And I ain't one of them "modern" Extras....I can't memorize the test questions well enough to pass, and I don't seem to be able to grasp the material (g).

Thom

baltimoremd@baltimoremd.com	Thom LaCosta K3HRN Webmaster
http://www.baltimoremd.com/	Baltimore's Home Page
http://www.baltimorehon.com/	Home of the Baltimore Lexicon
http://www.zerobeat.net	Home of The QRP Web Ring and DrakeList
http://www.tlchost.net	Web Hosting as low as \$3.49/month

Date: Fri, 20 Dec 2002 19:45:03 -0500
From: "Bob and Janet" <jbcraft@adelphia.net>
To: <baltimoremd@baltimoremd.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [142703] Re: Off Topic: Our Education System
Message-ID: <001b01c2a88a\$355a78b0\$51d73218@home.msft>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

you guys are lucky!

Here in the greater Cincinnati area, we have city owned schools pushing out students that cannot read or write (I HAVE SEEN IT FIRST HAND!). We have pedophile teachers, so count your blessings.

Date: Fri, 20 Dec 2002 18:53:09 -0600
From: <sjolin@swbell.net>
To: <ki6ds@dph.dpol.net>, "Qrp-l Reflector" <qrp-l@Lehigh.EDU>
Subject: [142704] Re: Off Topic: Our Education System
Message-ID: <080201c2a88b\$58615710\$78d1fea9@DaveSjolin>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: "Doug Hendricks" <ki6ds@dph.dpol.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Friday, December 20, 2002 4:13 PM
Subject: Off Topic: Our Education System

> It really irritates me when I hear people complain about our educational
> system. We have the best educational system in the world. You know why?
> We educate everyone who wants an education, for free. The taxpayers pay
for
> it. We don't give our kids a test in the 7th grade, and those who score
> below 50% are sent to trade school. Who has the highest standard of
living
> in the world? We do. As proof, why does everyone want to come here to
> live? If our educational system is so bad, why do we have the best
computer
> systems? Why do we have the best living conditions? The best economic
> system. Ask yourself that.

Why because we have a small portion of the population, maybe 5-10%, that do
all the heavy lifting for the economy and create jobs for the other 90%.
Cuba has 100% literacy which is much higher than here but their economy
sucks so that while education helps the economy, it is not what drives it.

> Our kids are doing just fine. I find it interesting that people would use
a
> false address to send their kids to a different public school. We have
two
> educational systems in the US. Public and private. It is not fair to
> complain about a public school and use a false address to attend another
> public school. Either work for change within the system, move if it is
that
> important to you, or pay the tuition to a private school. But don't tell
me
> how bad our educational system is. My students in biology are studying
> things that I did not study in college in the 60's. The educational
system
> in the US is doing just fine.

Two systems and only one works. I will let you guess which one that is. One
has standards and teaches what the kids need in life. The other teaches kids
that its okay if they think $2+2=5$ as long as their self esteem is intact.
There is no way that you can tell me that the average school is doing better
now than back in the 60's. SAT scores have been falling year by year. Even

after dumbing the tests down, scores are still lower than when I was in high school. As one who was a corporate manager for many years, I can tell you that new college graduates are far poorer writers today than they were 35-40 years ago. Today's high school graduates often have to take remedial courses, when they enter college, to get up to college standards.

Why work within the system. Even if you are lucky, your kid will slip through the cracks because it will take more than the three or four years your kid attends a school to get any kind of change. When President Clinton came up with a program where they were looking for volunteers to help teachers teach 3rd grade kids to read, I couldn't believe it. If I was a teacher, I would have been thoroughly embarrassed that someone was bringing volunteers into the school to do what I was being paid to do. I know if my boss brought in volunteers to do my job for me, that my days would be numbered. But not in the public school system. Well there are plenty of good teachers, but no one, including the good teachers will do anything to get rid of those that can't teach or know less than the average college freshman about the topic they are teaching. Fine, right.

> I hear people talk about the superior educational systems in Europe.
Well,

> I bet that we could do a better job too if we only had to teach the top of
> the class. That is what happens in Europe. In the US, you can go to
> college if you want to. In Europe, you have to pass a test. If you don't
> pass, you don't go. (You come to the US, grin). I have been told that 3
> out of 4 kids don't get to go to University in England.

I hope this doesn't come as to much of a surprise to you, but only about 25% of the US population is a college graduate. More kids may start college and attend for a year or so but we are not that better than Europe. So in effect you are teaching only the top of the class. And we don't get working class kids from Europe, the middle east, or the far east attending college in the US.

> If you have 4 kids,
> which one are you going to pick to go to University in the US if we change
> our system to their "superior?????" system? And how are you going to tell
> the other 3 that they can't, ever???

The way the school systems are set up, if you have 4 kids, they probably will all qualify for college or none will. Some school systems are quite good. Others could perform better by bringing in volunteers to replace the staff. As proud as you are of your school system, I bet you have a large percentage of your student body moving on to college. It's the other school system that is in trouble. That's why I support the idea of vouchers being given to poor families to allow them to take their kids out of the public system so their kids can have a chance. It's a total disgrace that we provide the worst teachers to teach the kids that already have everything against

them. By taking the brightest and most motivated kids out of the public system in the poorest schools, vouchers will ensure that poor school systems either shape up or they will wither and die.

\> I believe in our system, I am proud to be a teacher, and I am earning a fine
> salary. Thank you and Merry Christmas. 72, Doug
>

Doug, Im sure that you are a great teacher. I can tell you are motivated from your past postings about your school. However, I think you are an exception. Merry Christmas.

73 de Dave, N0IT

Date: Fri, 20 Dec 2002 18:03:06 -0700
From: "James R. Duffey" <JamesDuffey@comcast.net>
To: qrp-1@lehigh.edu
Subject: [142705] Re: Offensive Language Terms
Message-ID: <BA290BD9.221BC%JamesDuffey@comcast.net>
MIME-version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

"Hopefully, they would not be embarrassed by the spelling."

... or the improper use of adverbs.

- Dr. Megacycle KK6MC/5

--

James R. Duffey KK6MC/5
Cedar Crest, NM DM65

Date: Fri, 20 Dec 2002 20:18:07 -0500
From: JD Delancy <W1JD@drix.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [142706] Re: Radio Electronics Magazine
Message-ID: <3E03C14F.5010300@drix.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii; format=flowed
Content-transfer-encoding: 7BIT

Brian

Well I was wrong, the guy at work gets "Nuts and Volts."

Nuts and Volts advertises itself as "The Preferred Magazine of The Electronic Hobbyist/Industry" (see: www.nutsvolts.com). It's published monthly, with a \$24.95 per year subscription by T&L Publications Inc, 4330 Princeland Court, Corona CA 92879-1300

The copy I saw of Nuts & Volts tells me that it is about electronics regardless if you are a beginner or advanced, use analog or digital techniques or whatever. Even Gordon West writes for this one.

Sorry it wasn't the one that you're looking for, but the N&V looks good enough to me to start a subscription.

jd

brian wrote:

```
> When I was a kid, a chronological kid, I used to subscribe to a
> magazine called "Radio Electronics".
>
> I haven't seen it around in years and figured it was out of print
> now...BUT...does anyone know if you can get the issues on CD ROM?
>
>
> =====
> KB9BVN/QRP - New Whiteland IN - EM69WN
> QRP-ARCI #10223 QRP-L #1540 FIST #5695
> FISTS CC #764 - Proud Member ARRL
> HEATH HW-9 @ 2W or NORCAL 40A @ 1.3W
> INTO INFAMOUS AF4PS ATTIC DIPOLE
> SOC #400 AND FLYING PIGS QRP #-57
> =====
>
>
>
>
```

Date: Sat, 21 Dec 2002 01:21:31 +0000

From: jacksonharbor@att.net
To: qrp-1@lehigh.edu
Cc: n4xy@earthlink.net
Subject: [142707] [OT] finding old books
Message-ID: <20021221012131.DVDS9286.mtiwmhc11.worldnet.att.net@mtiwebc21>

>Publication div of Hayden Publishing Co. N.Y. book "How to use Grid-Dip
>Oscillators" by Rufus P. Turner. I would be interested in a good
>condition1st Printing of even this one. (A 3rd Printing cover may be seen

Ed -

When I want an old book, I usually look two places, first is Bookfinder:

<<http://www.bookfinder.com>>

Bookfinder scans all of the usual suspects like Allibris and Abe books.
It finds 3 copies of the book you mention, one is a first edition, the
others are second edition.

The second place I look is Ebay.

I finally found a copy of the LF/MF Scrapbook by Ken Cornell a week or
so ago on Ebay, that was a really hard book to find!

Best Regards,

Chuck Olson, WB9KZY
Jackson Harbor Press
<http://jacksonharbor.home.att.net/>

Date: Fri, 20 Dec 2002 17:31:23 -0800 (PST)
From: David Toepfer <davetoepfer@yahoo.com>
To: qrp-1@Lehigh.EDU
Subject: [142708] Re: "Ultimatic" meaning?
Message-ID: <20021221013123.80870.qmail@web12803.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

> > from what I can see the best choice (for me) is the Island II
> > Keyer. From my perspective Ultimatic is the way to go.
>
> Can you expand on the word "Ultimatic". Not sure what that means, but it
> sounds intriguing. Any place I can find something out about it?

Here is the keyer page:

<http://jacksonharbor.home.att.net/ik2.htm>

And there is an explanation of ultimatic:

<http://jacksonharbor.home.att.net/ultimat.txt>

In short, unlike iambic which, alternates dit-dah when you squeeze (and who thinks like that, not me at least), it gives a string of the second squeeze paddle until you release it. It strinkes me as more intuitive, but is paints me into a corner, as most built-in keyers are iambic - like learning on a left handed guitar you cab play fine on your guitar, but you fumble on others' stuff, but I can live with this shortcoming.

dt

.

Do you Yahoo!?

Yahoo! Mail Plus - Powerful. Affordable. Sign up now.

<http://mailplus.yahoo.com>

Date: Fri, 20 Dec 2002 18:07:44 -0800

From: Ted Buckley <tedb@aracnet.com>

To: qrp-l@Lehigh.EDU

Subject: [142709] books

Message-ID: <5.1.0.14.2.20021220175301.04653440@mail.aracnet.com>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

Tried the BookFinder url but no luck. . . anyone have a copy of The HW-8 Handbook by Brice? I sure would like to acquire a copy.

73, Ted WA7DFD

Date: Fri, 20 Dec 2002 21:52:01 -0500

From: Gary Lee <kb9zuv@arrl.net>

To: qrp-l@lehigh.edu

Subject: [142710] portable antenna continued

Message-ID: <3.0.6.32.20021220215201.007fb830@mailhost.ind.ameritech.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Think I thought of a better solution. going to get some speaker wire tomorrow, will split it down, put a small weight like a river sinker or some such at each end, toss it over the peak of the roof, and feed the line through the window. I have a b&c to binding post adaptor, and hopefully the kat2 will be able to match it well enough.

Maybe I'll catch some of you on the air this week.

Will be operating the k2 with this quickie doublet probably during the evening this next week on 20, 30, and maybe 40 meters; cw and ssb.

If this works, I'll have a portable very quick and temporary antenna for the trips back to see the parents.

72 and mery Christmas to all.

Gary Lee
kb9zuv

Date: Fri, 20 Dec 2002 21:00:23 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@neale.gpfn.sk.ca>,
Low Power Group <qrp-1@LeHigh.EDU>
Subject: [142711] Fox - Winter Fox Hunt Teams Results.
Message-ID: <Pine.LNX.4.33.0212202053090.8347-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hunt #10 - VE4WI -

Burbank Wrecking Crew - 33

Cheeseheads - 37

Michael - K6MMC

Jerry - N9AW

Todd - AG0T

Jim - WA9TZE

Don - KC2CK

Lon - W9XU

Woody - WD9F *

Rick - NK9G

Trev - KG6CYN *

Glenn - WE9K

NE-TX Tornados - 43

p-Shooters - 18

Chuck - W5USJ *
Bill - K5JHP *
Don - K5DW *
Doc - W5TB
George - W5YR *

Chuck - K7Q0
Gary - NQ7T
Jim - KC1FB
Wayne - W5KDJ *
Tony - KB9YIG *

Raiders of the Lost RF - 36

Swamp Rats - 42

Dan - VE6EX *
Earl - VA6RF *
Fred - VE3FAL
Robert - VE6JAZ
Bruce - VE5RC

Larry - N2WW
ET - N1FN *
Paul - K4FB *
Doc - K0EVZ
Tom - N1TP

K1 K9s - 30

Cajun Thunder - 33

Lloyd - K3ESE *
John - K8HJ *
Ralph - KD1R
Joe - W2RBA
Alan - N3BJ *

Wayne - K5E0A
Jim - N5IB
Vern - AA50
Wayne - N5YFC
Tom - AC5JH *

Great Lakers - 31

Underdogs - 37

Mark - K2Q0
Tom - KV2X
Al - K2ZN *
Bill - K2TER
Jeff - VA3JFF

Dan - N4R0A
Dave - W0CH *
Ron - KI0II
Randy - K7TQ *
Art - KB7WW

Aluminum Kings - 28

Dust Devils - 29

Bob - N4BP *
Jim - N0UR
Al - K0FRP
Pat - K0PC
Todd - N9NE *

George - KR5C *
Martin - N6LIF
Eric - NM5M
Dale - K5SR *
Lew - N5ZE *

Loco-motives - 25

Frank - K2PQ *
Jack - K5FSE
Jason - N8XE *
Mike - VA6MJT
Wayne - K9DI

..please send any changes and/or corrections directly to me...thank
you...

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Sat, 21 Dec 2002 03:14:52 +0000
From: "Harry T. Hurst" <wa3ptg@comcast.net>
To: qrp-l@lehigh.edu
Subject: [142712] HB - trool
Message-ID: <1040440492.1124.19.camel@fist.our>
MIME-version: 1.0
Content-type: text/plain
Content-transfer-encoding: 7BIT

Oh, yes, this is a radio mail list. ...R-A-D-I-O...

Who is scratch building/designing what these days? I need some
inspiration to finish some rigs.

Got a 30/40 board almost finished, a 20 meter superhet that needs a bit
more vfo tweeking. There's also a couple of 40 meter projects not quite
finished also. I need to pack up the kit rigs and the ricebox for
shipping. There're going up on ebay next month. Gotta make room for
the homemade stuff in the tin cans. Ain't nuttin' like a shack full of
homebrew tin can rigs! They're more fun than a barrel of K2s.

72 & Happy Holidays
Hap, WA3PTG
Wilmington DE

Date: Fri, 20 Dec 2002 21:14:52 -0600
From: "Merton Nellis" <mertnellis@msn.com>
To: davetoepfer@yahoo.com, qrp-1@Lehigh.EDU
Subject: [142713] Re: "Ultimatic" meaning?
Message-ID: <F15kK5LqN33HFnwpGR800000405@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Hi Guys,
That ultimatic mode sounds like just the ticket for me. I've always had trouble with iambic modes and make mistakes when squeezing....usually try not to squeeze as my skill started with an old bug and actually I prefer a single paddle key. Have been thinking of making one. If I could get my c-mos III keyer reprogrammed for Ultimatic, my mistakes would be reduced. Guess I need a Jackson Harbor keyer. Thanks for the idea.
72/73 Mert W0UFO MNQRP

>From: David Toepfer <davetoepfer@yahoo.com>
>Reply-To: davetoepfer@yahoo.com
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
>Subject: Re: "Ultimatic" meaning?
>Date: Fri, 20 Dec 2002 17:31:23 -0800 (PST)
>
> > > from what I can see the best choice (for me) is the Island II
> > > Keyer. From my perspective Ultimatic is the way to go.
> >
> > Can you expand on the word "Ultimatic". Not sure what that means, but
>it
> > sounds intriguing. Any place I can find something out about it?
>
>Here is the keyer page:
>
> <http://jacksonharbor.home.att.net/ik2.htm>
>
>And there is an explanation of ultimatic:
>
> <http://jacksonharbor.home.att.net/ultimat.txt>
>
>In short, unlike iambic which, alternates dit-dah when you squeeze (and who
>thinks like that, not me at least), it gives a string of the second squeeze
>paddle until you release it. It strikes me as more intuitive, but is

>paints
>me into a corner, as most built-in keyers are iambic - like learning on a
>left
>handed guitar you cab play fine on your guitar, but you fumble on others'
>stuff, but I can live with this shortcoming.
>
>dt
>.
>
>
>
>-----
>Do you Yahoo!?
>Yahoo! Mail Plus - Powerful. Affordable. Sign up now.
><http://mailplus.yahoo.com>

MSN 8 helps eliminate e-mail viruses. Get 3 months FREE*.
<http://join.msn.com/?page=features/virus&xAPID=42&PS=47575&PI=7324&DI=7474&SU=>
[http://www.hotmail.msn.com/cgi-bin/](http://www.hotmail.msn.com/cgi-bin/getmsg&HL=1216hotmailtaglines_virusprotection_3mf)
[getmsg&HL=1216hotmailtaglines_virusprotection_3mf](http://www.hotmail.msn.com/cgi-bin/getmsg&HL=1216hotmailtaglines_virusprotection_3mf)

Date: Fri, 20 Dec 2002 19:30:03 -0800 (PST)
From: Bill ROWLETT <kc4atu@yahoo.com>
To: qrp-1@Lehigh.EDU
Subject: [142714] Gripes & OT Topics
Message-ID: <20021221033003.82709.qmail@web14208.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Now that you all have proved your narrow negative thinking, can it be put where it belongs and get back to radio topics. I can not think why anyone new would want to join this hobby with its group of friendly members who go all out to be helpful.

When you wonder about what is wrong with this hobby, look in the mirror. It starts with you and me.

73, Bill kc4atu

Do you Yahoo!?
Yahoo! Mail Plus - Powerful. Affordable. Sign up now.
<http://mailplus.yahoo.com>

Date: Fri, 20 Dec 2002 23:02:35 -0500
From: "Bill, N4QA" <n4qa@hotmail.com>
To: qrp-1@Lehigh.EDU
Subject: [142715] Re: SKN/RMN Gettin' Ready
Message-ID: <BAY1-F188495x0Cy0uu00019efe@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

"Yes I'm...Yes I'm ready!"

Small Wonder Labs RM-20 and Lionel J-38...
Bring on RMN!

73.
Bill, N4QA/RMM (RockMite Mobile)
<http://www.qsl.net/n4qa/>

STOP MORE SPAM with the new MSN 8 and get 3 months FREE*.
<http://join.msn.com/?page=features/junkmail&xAPID=42&PS=47575&PI=7324&DI=7474&SU=>
http://www.hotmail.msn.com/cgi-bin/getmsg&HL=1216hotmailtaglines_stopmorespam_3mf

Date: Fri, 20 Dec 2002 22:08:52 -0600
From: "Byron Tatum" <bjtatum@ev1.net>
To: <qrp-1@Lehigh.EDU>
Subject: [142716] Inductance Calculation
Message-ID: <000f01c2a8a6\$ad8c8460\$cbc8dacf@tatum001>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have a question : I am considering replacing a coil wound on a plastic slug tuned coil form with one of the L-43 or L-57 slug tuned shielded coils.

When I calculate the inductance of my coil wound on the plastic slug tuned form do I first calculate the inductance as an air wound coil and then multiply it by a factor relating to the core material? For example, 22 turns of #28 magnet wire, close spaced, on a .21" OD form yields a certain

inductance value in air, but I need to know the inductance value with the iron powder slug approx. 75% of way in coil. If I recall the tuning core will increase inductance approx. 50%??

Thank you, Byron WA5THJ.

Date: Fri, 20 Dec 2002 23:52:49 -0500
From: "Jason Hissong" <jhisson1@columbus.rr.com>
To: "Low Power Amateur Radio Discussion" <grp-l@Lehigh.EDU>
Subject: [142717] RTFM - Think of this...
Message-ID: <016b01c2a8ac\$d29d7150\$6e01a8c0@procyon>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi guys,

Normally, I don't respond to these types of messages, but I wanted to give you an idea of something that occurred not too long ago that relates to the subject of RTFM that is also found in computer circles (especially in regards to Linux, UNIX, etc)

<beating_dead_horse>

I used to be one of those RTFM guys when it came to computers. I would consider myself pretty fluent in computers and servers. A guy at work used to come to me and ask me simple types of questions and I would get real mean about it and say, "RTFM" (which means read the freakin manpages with UNIX/Linux). He was an administrator and I thought he should know this already. However, I realized that it was not the best approach. Being a Christian, I started to see myself not being very Christ like. So I started answering the questions and guiding him to where it was in the documentation. After a while, he started looking it up on his own. Now he is a system administrator at a big financial company and doing well. He now always looks it up first and only asks the questions that seem to stump me now!!

Also, I do not support the Question/Answers only study guides. I think it tests our ability to memorize answers. I enjoyed using the ARRL study guides which was more like a textbook. I learned so much from using those guides! I got the ARRL handbook from my elmer for Christmas and I read it all the time. I have learned so much. My elmer always answered the "dumbest" questions that I had (that could be found in reference texts). He would show me where in the book I could find that information and also gave me the reader's digest version of the information found in the text.

I started as a no-code tech and had no interest in CW or making my own radios. I eventually worked my way up to Extra (20 wpm). Now CW is my primary mode. I love building radios and seeing how much I can "get by" with in regards to power and parts. Without my elmer's guidance and the manner he assisted me looking it up... I don't think I would be here learning (and loving) low power radio and the theory involved...

What is the saying? Teach a man to fish and feed him for life?
</beating_dead_horse>

Anyways... Merry Christmas... I am off to play with my RockMite 40...

72/73,
Jason Hissong - N8XE
<http://www.qsl.net/n8xe>
FISTS #6338
QRPARCI #11347
FPQRP #443
QRP-L #2431
ARLHS #661

Date: Fri, 20 Dec 2002 22:59:42 -0600
From: KD5NWA <KD5NWA@cbayona.com>
To: W1JD@drix.net,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [142718] Re: Radio Electronics Magazine
Message-ID: <5.2.0.9.0.20021220225619.00a96850@pop.cbayona.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Bad URL remove the ")." at the end.

<http://www.nutsvolts.com/>

After countless errors on URL's I adopted policy of pasting them from the browser and not trusting myself to type them, just my two cents.

At 07:18 PM 12/20/2002, JD Delancy wrote:

>Brian

>

>Well I was wrong, the guy at work gets "Nuts and Volts."

>

>Nuts and Volts advertises itself as "The Preferred Magazine of The

>Electronic Hobbyist/Industry" (see: www.nutsvolts.com). It's published

>monthly, with a \$24.95 per year subscription by T&L Publications Inc, 4330
>Princeland Court, Corona CA 92879-1300
>
>The copy I saw of Nuts & Volts tells me that it is about electronics
>regardless if you are a beginner or advanced, use analog or digital
>techniques or whatever. Even Gordon West writes for this one.
>
>Sorry it wasn't the one that you're looking for, but the N&V looks good
>enough to me to start a subscription.
>
> jd
>
>brian wrote:
>>When I was a kid, a chronological kid, I used to subscribe to a
>>magazine called "Radio Electronics".
>>I haven't seen it around in years and figured it was out of print
>>now...BUT...does anyone know if you can get the issues on CD ROM?
>>
>>=====

>> KB9BVN/QRP - New Whiteland IN - EM69WN
>> QRP-ARCI #10223 QRP-L #1540 FIST #5695
>> FISTS CC #764 - Proud Member ARRL
>> HEATH HW-9 @ 2W or NORCAL 40A @ 1.3W
>> INTO INFAMOUS AF4PS ATTIC DIPOLE
>> SOC #400 AND FLYING PIGS QRP #-57
>>=====

>>
>

Cecil
KD5NWA

Date: Sat, 21 Dec 2002 00:11:31 EST
From: JClinton46@aol.com
To: qrp-l@lehigh.edu
Subject: [142719] Re: Off Topic: Our Education System
Message-ID: <12b.1e1eab45.2b355203@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I've read a lot about the state of our educational system and testing for
license privileges. Depending on your perspective, I think most are correct.

Your view of the primary and secondary school systems is probably based on

personal experience. About 10 years ago I changed employer and residence. Although I am not particularly fond of driving, I moved to a town about 50 miles from my new employer. The primary reason was the local (employer's) school system's poor reputation and the new home's excellent reputation. My daughter was in the "Challenge" program and while I think it could have been improved, I was very pleased overall.

I am part of the education system in one sense. I develop and deliver training and training systems for industry. I have encountered the output of our educational system firsthand, like HS graduates with 5th grade reading skills. I once helped a "HS graduate" learn to read because he could not read his daughter's second grade reader.

Post-secondary education seems to have a similar range of poor to excellent. Look at the enrollment of a first tier school (especially engineering) and you will see a large contingent of foreign students. Their best and brightest. At the other end I have seen college graduates with skills and knowledge no higher than I had when I graduated from high school.

Ham radio has a similar makeup. I am sure some got their Extra by memorizing the questions and answers while others knew the material. (I actually find it too difficult to memorize answers.) Perhaps the real question is what the ham does after (s)he passes the exam.

Now can we get back to radio? Pleeze...

Clint Poss
KE4FDT

Date: Fri, 20 Dec 2002 23:13:58 -0600
From: "Joe Martin" <km5cw@arrl.net>
To: "qrp-1" <qrp-1@Lehigh.EDU>
Subject: [142720] Re: portable antenna continued
Message-ID: <000f01c2a8af\$c4acd740\$3e4bbbd0@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Good luck,,that's a good idea, using the spkr wire,,if you have a way to analize it for results,,or just how well it works let us know.
73 de KM5CW Joe
FISTS #4217 QRPARCI #11368
GRID-EM13kf
(<http://web.wt.net/~km5cw>)

----- Original Message -----

From: "Gary Lee" <kb9zuv@arrl.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Friday, December 20, 2002 8:52 PM

Subject: portable antenna continued

> Think I thought of a better solution. going to get some speaker wire
> tomorrow, will split it down, put a small weight like a river sinker or
> some such at each end, toss it over the peak of the roof, and feed the
line
> through the window. I have a b&c to binding post adaptor, and hopefully
> the kat2 will be able to match it well enough.
>
> Maybe I'll catch some of you on the air this week.
>
> Will be operating the k2 with this quickie doublet probably during the
> evening this next week on 20, 30, and maybe 40 meters; cw and ssb.
>
> If this works, I'll have a portable very quick and temporary antenna for
> the trips back to see the parents.
>
> 72 and mery Christmas to all.
>
> Gary Lee
> kb9zuv
>
>

Date: Fri, 20 Dec 2002 23:14:47 -0600
From: "Doc K0EVZ" <dock0evz@earthlink.net>
To: "qrp-1 reflector" <qrp-1@lehigh.edu>,
"Ten-Tec Relector" <tentec@contesting.com>
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>
Subject: [142721] Ten-Tec 282 filtre *sold*
Message-ID: <4120021262151447876@earthlink.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Gang:

The 282 CW filtre has been sold. Thanks to all who inquired.

73,

--Doc/K0EVZ

Date: Fri, 20 Dec 2002 21:15:06 -0800
From: Johnathan Corgan <jcorgan@aeinet.com>
To: jhisson1@columbus.rr.com,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [142722] Re: RTFM - Think of this...
Message-ID: <E18Pbyc-0003gr-00@hal>
Content-Type: text/plain;
charset="iso-8859-1"
MIME-Version: 1.0
Content-Transfer-Encoding: 8bit

On Friday 20 December 2002 20:52, Jason Hissong wrote:

> What is the saying? Teach a man to fish and feed him for life?

Light a man a fire, you'll warm him once.

Light a man on fire, you'll warm him for the rest of his life.

<ducking>

73

Johnathan, AE6HO

Date: Sat, 21 Dec 2002 00:17:07 -0500
From: "brian" <brian@iquest.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [142723] Re: portable antenna continued
Message-ID: <007c01c2a8b0\$376c2560\$71622bd1@bmurrey2K>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

If mom and dad have a flag pole....hoist that due up the mast and make

a inverted V of sorts....worth a try!

73 de KB9BVN

----- Original Message -----

From: "Joe Martin" <km5cw@arrl.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Saturday, December 21, 2002 12:13 AM

Subject: Re: portable antenna continued

> Good luck,,that's a good idea, using the spkr wire,,if you have a way to

> analize it for results,,or just how well it works let us know.

> 73 de KM5CW Joe

> FISTS #4217 QRPARCI #11368

> GRID-EM13kf

> (<http://web.wt.net/~km5cw>)

>

> ----- Original Message -----

> From: "Gary Lee" <kb9zuv@arrl.net>

> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

> Sent: Friday, December 20, 2002 8:52 PM

> Subject: portable antenna continued

>

>

> > Think I thought of a better solution. going to get some speaker wire

> > tomorrow, will split it down, put a small weight like a river sinker or

> > some such at each end, toss it over the peak of the roof, and feed the

> line

> > through the window. I have a b&c to binding post adaptor, and hopefully

> > the kat2 will be able to match it well enough.

> >

> > Maybe I'll catch some of you on the air this week.

> >

> > Will be operating the k2 with this quickie doublet probably during the

> > evening this next week on 20, 30, and maybe 40 meters; cw and ssb.

> >

> > If this works, I'll have a portable very quick and temporary antenna for

> > the trips back to see the parents.

> >

> > 72 and mery Christmas to all.
> >
> > Gary Lee
> > kb9zuv
> >
> >
>
>
>

Date: Fri, 20 Dec 2002 23:21:15 -0600
From: "Joe Martin" <km5cw@arrl.net>
To: "qrp-1" <qrp-1@Lehigh.EDU>
Subject: [142724] Re: HB - trool
Message-ID: <001901c2a8b0\$c9337b60\$3e4bbbd0@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I rounded up several of those gold Whitman sampler cans today,,it was fun
consuming the contents, now they lie in wait for some boards,,which are in
the hands of the USPS right now.
If I'm lucky,,I will be able to use them by the new year as a 20 mtr station
with my old McElroy type straight key. I got the parts today shipped for the
NJQRP LP Balun to go with it,,so now all my parts are in the mail from the
east coast to the west and I'm here in the middle in the DFW area waiting
for them all<g>
73 de KM5CW Joe
FISTS #4217 QRPARCI #11368
GRID-EM13kf
(<http://web.wt.net/~km5cw>)

----- Original Message -----
From: "Harry T. Hurst" <wa3ptg@comcast.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Friday, December 20, 2002 9:14 PM
Subject: HB - trool

> Oh, yes, this is a radio mail list. ...R-A-D-I-O...
>
> Who is scratch building/designing what these days? I need some

> inspiration to finish some rigs.
>
> Got a 30/40 board almost finished, a 20 meter superhet that needs a bit
> more vfo tweeking. There's also a couple of 40 meter projects not quite
> finished also. I need to pack up the kit rigs and the ricebox for
> shipping. There're going up on ebay next month. Gotta make room for
> the homemade stuff in the tin cans. Ain't nuttin' like a shack full of
> homebrew tin can rigs! They're more fun than a barrel of K2s.
>
>
> 72 & Happy Holidays
> Hap, WA3PTG
> Wilmington DE
>
>
>
>
>
>
>
>
>
>

Date: Sat, 21 Dec 2002 05:46:19 +0000
From: "Dennis Ponsness" <wb0wao@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [142725] New Altoids Flavor???
Message-ID: <F102kwdQsDOVDILanUC00003a48@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Since most of us build or have built something in an Altoids tin, I was wondering if anyone else has seen the spearmint flavored Altoids besides me? It comes in a green tin and I just found them the other day. I knew about the peppermint, wintergreen and cinnamin flavored ones, but this was the first time I ever saw the spearmint. Or has civilization finally made it up here to the "Great White North"??

72 es oo

Dennis - WB0WAO

NJQRP #329 - FPQRP #-347 - SOC #499
GACW #622 - ARS #1363
FISTS # 9299
Michigan DX Association
:=)

Add photos to your messages with MSN 8. Get 2 months FREE*.
[http://join.msn.com/?page=features/
featuredemail&xAPIID=42&PS=47575&PI=7324&DI=7474&SU=
http://www.hotmail.msn.com/cgi-bin/getmsg&HL=1216hotmailtaglines_addphotos_3mf](http://join.msn.com/?page=features/featuredemail&xAPIID=42&PS=47575&PI=7324&DI=7474&SU=http://www.hotmail.msn.com/cgi-bin/getmsg&HL=1216hotmailtaglines_addphotos_3mf)

Date: Fri, 20 Dec 2002 23:50:2 -0600
From: "Doc K0EVZ" <dock0evz@earthlink.net>
To: "qrp-l reflector" <qrp-l@Lehigh.edu>
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>
Subject: [142726] FS--Norcal 20 rig
Message-ID: <41200212621550247@earthlink.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Gang:

Have an excellent Norcal NC-20 rig for sale. This one includes the mods for frequency stabilisation. The rig is in a beautiful blue case with a white front panel with red letters. Very professional appearance. I used this rig recently in an ARS Sprint and it did a magnificent job.

Rig works fabulously, and the receiver is surprisingly quiet, sensitive and stable. Plenty of audio to drive a small speaker in addition to phones. Has the built-in keyer and frequency annunciator. This rig easily gets 4-5 watts out. Consistently gets good signal reports.

Price only \$125.00, including manual and shipping to your CONUS address.

73,
--Doc/K0EVZ

Date: Fri, 20 Dec 2002 23:38:45 -0600
From: "Stephen Yates" <aa5tb@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.edu>
Subject: [142727] Re: NVIS and the FOX
Message-ID: <001a01c2a8b3\$3b4fe7e0\$3f36a6d8@Main>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

HI Chris,

NVIS is a function of the "critical frequency". This is the frequency where a signal arriving at normal incidence to the ionosphere will be scattered back to earth (straight up and back down). The critical frequency oftens drops below 7 MHz in the hours of darkness this time of year and your signal will go right on out to space (no NVIS). During the middle of the day or at a lower frequency your results with your low dipole would have been much better.

73,
Steve Yates - AA5TB

<http://www.qsl.net/aa5tb/>

Date: Fri, 20 Dec 2002 21:33:32 -0800
From: "Dennis W. Farrell" <dfarrell@ridgecrest.ca.us>
To: "\"Low Power Amateur Radio Discussion\"" <qrp-1@Lehigh.edu>
Subject: [142728] This Mailing List
Message-ID: <000c01c2a8b2\$c8c20a00\$efccfea9@mfpcc>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Bobbie Burns wrote "Oh would some power the giver give us, to see ourselves as others see us . . ."

Back to my single malt . . .

Best to all -- W6DWF

=====

THE NATURAL LIFE CYCLE OF MAILING LISTS

Every list seems to go through the same cycle:

1. Initial enthusiasm (people introduce themselves, and gush a lot about how wonderful it is to find kindred souls).
2. Evangelism (people moan about how few folks are posting to the list, and brainstorm recruitment strategies).
3. Growth (more and more people join, more and more lengthy threads develop, occasional off-topic threads pop up).
4. Community (lots of threads, some more relevant than others; lots of information and advice is exchanged; experts help other experts as well as less experienced colleagues; friendships develop; people tease each other; newcomers are welcomed with generosity and patience; everyone -- newbie and expert alike -- feels comfortable asking questions, suggesting answers, and sharing opinions).
5. Discomfort with diversity (the number of messages increases dramatically; not every thread is fascinating to every reader; people start complaining about the signal-to-noise ratio; person 1 threatens to quit if *other* people don't limit discussion to person 1's pet topic; person 2 agrees with person 1; person 3 tells 1 & 2 to lighten up; more bandwidth is wasted complaining about off-topic threads than is used for the threads themselves; everyone gets annoyed).
- 6a. Smug complacency and stagnation (the purists flame everyone who asks an 'old' question or responds with humor to a serious post; newbies are rebuffed; traffic drops to a doze-producing level of a few minor issues; all interesting discussions happen by private email and are limited to a few participants; the purists spend lots of time self-righteously congratulating each other on keeping off-topic threads off the list). OR
- 6b. Maturity (a few people quit in a huff; the rest of the participants stay near stage 4, with stage 5 popping up briefly every few weeks; many people wear out their second or third 'delete' key, but the list lives contentedly ever after).

=====

Date: Sat, 21 Dec 2002 1:12:38 -0600
From: "Doc K0EVZ" <dock0evz@earthlink.net>
To: "qrp-l reflector" <qrp-l@lehigh.edu>
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>

Subject: [142729] QSL routing for 6W1/F8IXZ?
Message-ID: <4120021262171238133@earthlink.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Gang:

Anyone know the QSL routing for 6W1/F8IXZ? Bagged him a couple of evenings ago on 20 Metres, and sure would be tickled to get a QSL card for him. Any help is appreciated. Happy holidays.

73,
--Doc/K0EVZ

Date: Sat, 21 Dec 2002 05:32:40 -0500
From: Paul Valko <w8kc@comcast.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [142730] Latest Additions...
Message-ID: <001c01c2a8dc\$49f2b6f0\$6501a8c0@p4main>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

To the QRP-L Inbox "Subject Line" Killfile...

"Off Topic" - you guys snuck that one by me, I already had "OT:"
"Offensive Language" - & !!!

73! =paul= W8KC
Collector of Ten*Tecs and Other Fine Plastics.
Visit the Virtual Ten*Tec Museum at <http://mywebpages.comcast.net/w8kc>

Date: Sat, 21 Dec 2002 04:29:57 -0800
From: "Trevor Jacobs" <kg6cyn@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [142731] OT:Russian Beacon - M heard LOUD this morning

Message-ID: <001401c2a8ec\$ac782b60\$570cf4d8@tjacobs>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Gang,

About 12:00 UTC (4 AM Pacific Time) the russian M beacon was heard here in Southern CA very loud! Kinda neat, as I'd seen you guys talking about it but never experienced it. Not a great CW note though, has some hum on it. Was on about 7.039.5. Just FYI.

73's Trev KG6CYN
<http://home.earthlink.net/~kg6cyn>
<http://www.qsl.net/kg6cyn>

Date: Sat, 21 Dec 2002 06:38:09 -0600
From: Chuck Carpenter <w5usj@9plus.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [142732] Re: SKN/RMN Gettin' Ready
Message-ID: <3.0.2.32.20021221063809.007d05c0@mail.9plus.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Ready here too. R-M/20 and R-M/40 with surplus J-38 circa 1955.

Taking Glucosamine to limber up the finger and wrist joints... [g]

Email Alt: w5usj@arrl.net

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
QRP-ARCI #5422, QRP-L #1306, QRPp-I #115, ARS #1280, SOC #57
Zombie #759, COG #11, 6 Club #201, NETXQRP <http://www.netxqrp.org>

Date: Sat, 21 Dec 2002 07:43:09 -0500
From: "Ron Polityka" <wb3aal@fast.net>
To: ". QRP-L" <qrp-l@lehigh.edu>
Subject: [142733] QRP Contest Calendar for 2003
Message-ID: <005301c2a8ee\$9d6722a0\$ce3c5cd1@wb3aal>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello,

Well the Holiday Season is right around the corner.

I would like to thank all those QRP'ers that purchased the EPA QRP Club's 2003 QRP Contest Calendar. All purchases that I received are shipped.

If you did not get a chance to order one, we will be taking orders until Jan. 15, 2003. Check www.n3epa.org for more details.

I would like to wish everyone a Safe & Happy Holidays.

72 & Good DX
Ron de WB3AAL
wb3aal@fast.net
www.n3epa.org

Date: Sat, 21 Dec 2002 08:29:31 EST
From: N4SKS@cs.com
To: qrp-l@lehigh.edu
Subject: [142734] Want to buy... Kit
Message-ID: <ac.343c63e5.2b35c6bb@cs.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hello;

I received a nice Christmas gift of \$\$\$. I have the urge to build kits again. Do any of you have any unbuilt kits you don't have time for . I'm in the market to buy a kit or two.

Also still have the nice Icom IC-38a 220 mhz. FM mobile rig , will throw in a Icom IC-3sat 220 HT (as-is) , trade for a nice kit or rig.

Thanks Happy Holidays Les K4NK

Date: Sat, 21 Dec 2002 06:51:03 -0700 (MST)

From: "Karl F. Larsen" <k5di@zianet.com>
To: Trevor Jacobs <kg6cyn@earthlink.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [142735] Re: OT:Russian Beacon - M heard LOUD this morning
Message-ID: <Pine.LNX.4.44.0212210649470.1290-100000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Wouldn't you know they would pick our QRP frequency to put a beacon on!

On Sat, 21 Dec 2002, Trevor Jacobs wrote:

> Hi Gang,
>
> About 12:00 UTC (4 AM Pacific Time) the russian M beacon was heard here
> in Southern CA very loud! Kinda neat, as I'd seen you guys talking about
> it but never experienced it. Not a great CW note though, has some hum on
> it. Was on about 7.039.5. Just FYI.
>
> 73's Trev KG6CYN
> <http://home.earthlink.net/~kg6cyn>
> <http://www.qsl.net/kg6cyn>
>
>
>

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

Date: Sat, 21 Dec 2002 09:59:15 -0500
From: "Tom Pennebaker" <n4rs@netpath-rc.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [142736] Antenna Wire
Message-ID: <004201c2a901\$8849e200\$562a1bce@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

KB9ZUV writes;
Think I thought of a better solution. going to get some speaker wire

tomorrow, will split it down, put a small weight like a river sinker or some such at each end, toss it over the peak of the roof, and feed the line through the window.

I have found a better alternative for wire. Your local phone company. I use the black two pair drop wire used from the pole to the house. This stuff is tough as nails, will pull the horns off a "billygoat". It is two conductor, can be split very easily. The wire is around 18ga or so. Hard drawn copperweld. Some phone companies will give you what is in their scrap pile or some repairmen will give you what they have in the truck. Cost you nothing and will stay up forever.....Tom N4RS

Date: Sat, 21 Dec 2002 10:12:45 -0600
From: W2EB <w2eb@twcnny.rr.com>
To: qrp-1@lehigh.edu
Subject: [142737] HB - My latest Project (long)
Message-ID: <3E0492FD.68B8BFFE@twcnny.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

"Harry T. Hurst" wrote:

>
> Who is scratch building/designing what these days? I need some
> inspiration to finish some rigs.

Not entirely scratch, but I'm fairly well along on the W7ZOI/K7TAU Spectrum Analyzer.

I have alot of spare time on my hands, and my sense of "cheap" won't allow me to purchase the kit from Kanga, so I spent the first month on this project designing my own PCBs. I wanted to incorporate many SMT parts into the project.

With that done, I've been regularly raiding the junque box looking for appropriate parts. Since I had no VCOs, and a month of experimentation yielded nothing useful, I bought two. So far, I haven't had to buy anything else. I had to get a little inventive on the 100MHz crystal, but found that I could run many crystals on their 5th or 7th overtone quite easily. Thus, 100MHz becomes 102MHz.

Believe it or not, I may have to purchase a transformer for the +/-15VDC power supply. I have nothing that will go that high at the current the V+ rail requires. Or I may redesign the project to run at +/-12VDC. Haven't decided yet.

The new IF has been a bit of an annoyance. I have a couple of AD8307s, but don't have the final Op-amp specified in the project. I

DO have an AD8310 which contains it's own op-amp. My less expensive method of making PCBs won't allow traces as thin as .003", so my attempts at using the '8310 haven't been successful yet. I'm not sure yet whether to "bite the bullet" on this one and purchase some PnP blue, or use a '8307 and try a more basic NE5534 op-amp.

Otherwise, testing of the individual modules has been very encouraging. I'm encasing the tested and working modules now and hope to have a working unit within a couple of weeks. Since I've redesigned the original and used many substitute parts, the finished product will probably be very raw and require a lot of tweaking.

Face it, a homebrew project is never done.

73,

Bill
W2EB

--

"Thomas Hodgkin died of natural causes"

Date: Sat, 21 Dec 2002 10:24:15 -0500
From: Rick McKee <kc8aon@juno.com>
To: fpqrp-l@mpna.com, qrp-l@Lehigh.EDU
Subject: [142738] Re: Antenna Wire
Message-ID: <20021221.102450.12342.2.kc8aon@juno.com>

Gang,

Another good source for antenna wire is at your local auto parts store in the form of automotive primary wire. It comes in a multitude of gauges and colors, plus you can get it in 25, 50 & 100 foot rolls. They may even be able to order larger rolls of the stuff too. It's fairly flexible (stranded) and easy to work with and reasonably strong. I favor the "Belden" brand of wire because of it's quality - my 40 meter extended double zepp (178') is made of the stuff. The Belden brand of wire is available at most NAPA auto parts stores. I think Belden wire is basically "mil spec" !

Usual disclaimers - don't work for Belden or NAPA - Just know a good product !

72/73 de: Rick McKee, KC8AON <> Willow Wood, Ohio
SW 40+, HW-8, Homebrew 6V6 tube TX & Surplus GRC 109 RX
Power is for punks ! QRP is for the confident !
QRP-L #2112, FPqrp #33, AR QRP #269

"A clear conscience is most likely the result of a poor memory"

Sign Up for Juno Platinum Internet Access Today
Only \$9.95 per month!
Visit www.juno.com

Date: Sat, 21 Dec 2002 10:43:46 -0500
From: Kenneth Hoglund <hoglund@wfu.edu>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [142739] OP: Change of Date
Message-ID: <3E048C32.DA9DFFD4@wfu.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Last year the Greater Piedmont QRP Club sponsored the "Rock Around the Clock Event" in connection with Straight Key Night, Jan.1. It is an event designed specifically for crystal-controlled qrp rigs.

We've received a couple of inquiries about this year's plans, and we will not be holding an event on January 1st.

The details are still coming together, but we are organizing "Rock Around the Clock: the Rock-Mite Flea Fight" for Jan. 4th, 0000-0200 UTC (40m) and 1500-1700 UTC (20m). How is the instant classic the Rock-Mite involved? We are trying to get an all-Rock Mite group of special stations spread across the continental US. As an aside, any Alaskan or Hawaii Rock-Miters, please contact me off-list!

So dust off the crystal rigs, watch the solar flux numbers, and count down the days to Jan. 4th, UTC (evening of January 3rd by ordinary calendars in most of the US). And stay tuned--more details will be forthcoming.

On Behalf of the GPQRP Club,

Ken KG4FGC

Date: Sat, 21 Dec 2002 16:18:02 +0000
From: dbirnbaum@attbi.com
To: qrp-1@lehigh.edu
Subject: [142740] Has anyone found the perfect Nor'easter box
Message-ID: <200212211618.gBLGI8Mn007587@rain.CC.Lehigh.EDU>

I finally managed to get my Nor'easter working after I fixed all the bad solder joints on those tiny surface mount ic pins. I love cramming electronics into altoids tins but something a bit bigger with room for a battery and a power switch would be nice. Has anyone found the perfect Nor'easter box?

Dan
AD6JY

Date: Sat, 21 Dec 2002 11:34:24 -0500
From: "Harold Smith" <harold.smith1@worldnet.att.net>
To: <wa3ptg@comcast.net>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [142741] Re: HB - trool
Message-ID: <012e01c2a90e\$edc5e180\$1a08550c@tinker>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

A couple of years ago I did the same thing. I had years of homebrewed radios sitting on shelves, and a commercial radio in the shack. So I sold the commercial radio, and moved the homebrew stuff into the shack. And suddenly ham radio was a lot more fun.

I currently have scratchbuilt 40, 20 and 10 meter radios in the shack. I'm in various stages of building several things as well: an HF FET probe, a spectrum analyzer loosely based on the W7ZOI design, and radios for 30 and 15 meters. These get worked on as I get time, as inspiration strikes, and as I get my hands on the appropriate parts.

For those who might be interested in building your own radios, test equipment, or whatever, I would like to again mention the Thomson Amateur Radio Club's 'Share the Wealth Program,' which supplies free parts to homebrewers. For details go to <http://www.w9rca.com/homebrew.html>

Happt homebrewing, and Merry Christmas (or appropriate holiday greetings)

de KE6TI, Harold Smith

> I need to pack up the kit rigs and the ricebox for
> shipping. There're going up on ebay next month. Gotta make room for
> the homemade stuff in the tin cans. Ain't nuttin' like a shack full of
> homebrew tin can rigs! They're more fun than a barrel of K2s.
>
>

Date: Sat, 21 Dec 2002 08:29:22 -0800
From: "Chuck Adams, K7Q0" <k7qo@earthlink.net>
To: k5di@zianet.com,
 "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [142742] Re: OT:Russian Beacon - M heard LOUD this morning
Message-ID: <5.1.1.6.0.20021221082858.00b2e7d8@pop.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 06:51 AM 12/21/2002 -0700, Karl F. Larsen wrote:

>Wouldn't you know they would pick our QRP frequency to put a beacon on!
>
>

No, we picked theirs. They were there first.

FYI

Chuck Adams, K7Q0
<http://www.qsl.net/k7qo> and <http://www.earthlink.net/~k7qo>

Moving to Arizona? ---- Please bring your own water.

Date: Sat, 21 Dec 2002 11:46:56 -0500
From: "Richard Slone" <sloner@earthlink.net>
To: <qrp-l@lehigh.edu>
Subject: [142743] RF Exposure through Plastic Cases?
Message-ID: <004201c2a910\$936a66f0\$abbff7a5@SloneRanger>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi all,

At QRP levels rf exposure is not as much of a concern I imagine, but I do have a question. Why does some rf equipment like a RS wattmeter and the ZM-2 antenna tuner come with plastic cases? I have always been under the assumption that rf circuits should always be shielded.

Looking back at the list archives, I found some posts about putting ZM-2 kits in metal cases to prevent coupling effects when near other equipment, but there was no mention of rf exposure. Has anyone measured the rf exposure from the ZM-2 or other QRP equipment in plastic cases? Any other insights into why metal cases are not needed on some rf equipment?

73 & Merry Christmas to all,
Richard, KG4VOX

Date: Sat, 21 Dec 2002 11:55:29 -0500
From: "Lee Mairs" <lmairs@direcway.com>
To: <ke6ti@arrl.net>, "qrpl" <qrp-1@Lehigh.EDU>
Subject: [142744] Donations
Message-ID: <025b01c2a911\$c80e8c50\$3b6d020a@boomer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

You want some parts donations for the homebrew help project? I'd be happy to send a care package or two for this cause. I'll bet others on the list would too.

73 de Lee
km4yy

Date: Sat, 21 Dec 2002 09:59:34 -0700
From: William R Colbert <w5xe@juno.com>
To: qrp-1@lehigh.edu
Subject: [142745] Re: OT:Russian Beacon - M heard LOUD this morning
Message-ID: <20021221.100219.-374555.0.w5xe@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Actually, it is the other way around as "M" beacon and on occasion either P or S have been there since the 50's that I am aware of - they used to be really active when the artic maneuvers would start up - around this time of year.

Ray
So much to absorb, so little sponge!

Ray Colbert, W5XE, 00TC#3618, SOWP#1064M
NARTE-NCT2R QRP-ARCI 5784
El Paso, (FAR WEST) TEXAS

Date: Sat, 21 Dec 2002 10:31:25 -0800
From: Scott Gregson <emtech@steadynet.com>
To: sloner@earthlink.net, qrp-1 <qrp-1@lehigh.edu>
Subject: [142746] Re: RF Exposure through Plastic Cases?
Message-ID: <3E04B37D.2060105@steadynet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

This is not an answer to your question, but an option for the ZM-2.

I have heard that some people paint the inside of the ZM-2 with a conductive paint. You could then make some method of contact from the painted inside of the ZM-2 to the faceplate. Optionally, a person could buy some brass shim stock (or use aluminum foil glued on with spray contact cement) and line the inside of the plastic case with that - again making contact with the face plate in some manner.

~Scott

Richard Slone wrote:

> Hi all,
> At QRP levels rf exposure is not as much of a concern I imagine, but I do
> have a question. Why does some rf equipment like a RS wattmeter and the
> ZM-2 antenna tuner come with plastic cases? I have always been under the
> assumption that rf circuits should always be shielded.
> Looking back at the list archives, I found some posts about putting ZM-2
> kits in metal cases to prevent coupling effects when near other equipment,
> but there was no mention of rf exposure. Has anyone measured the rf exposure
> from the ZM-2 or other QRP equipment in plastic cases? Any other insights
> into why metal cases are not needed on some rf equipment?
> 73 & Merry Christmas to all,
> Richard, KG4VOX
>
>
>

Date: Sat, 21 Dec 2002 13:38:16 -0500
From: "brian" <brian@iquest.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [142747] Re: RF Exposure through Plastic Cases?
Message-ID: <003801c2a920\$21099940\$35622bd1@bmurrey2K>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

What about building it in a double sided PCB homebrew case?

That ought to fly.

The Jan QST has a article in it that mentions the ZM-2 and how to build a 100w version. The Jan QST has several good articles this month....still slowly devouring mine.

73

----- Original Message -----

From: "Scott Gregson" <emtech@steadynet.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Saturday, December 21, 2002 1:31 PM
Subject: Re: RF Exposure through Plastic Cases?

> This is not an answer to your question, but an option for the ZM-2.
>
> I have heard that some people paint the inside of the ZM-2 with a
> conductive paint. You could then make some method of contact from
the
> painted inside of the ZM-2 to the faceplate. Optionally, a person
could
> buy some brass shim stock (or use aluminum foil glued on with spray
> contact cement) and line the inside of the plastic case with that -
> again making contact with the face plate in some manner.
>
> ~Scott
>
> Richard Slone wrote:
> > Hi all,
> > At QRP levels rf exposure is not as much of a concern I imagine,
but I do
> > have a question. Why does some rf equipment like a RS wattmeter
and the
> > ZM-2 antenna tuner come with plastic cases? I have always been
under the
> > assumption that rf circuits should always be shielded.
> > Looking back at the list archives, I found some posts about

putting ZM-2
> > kits in metal cases to prevent coupling effects when near other
equipment,
> > but there was no mention of rf exposure. Has anyone measured the
rf exposure
> > from the ZM-2 or other QRP equipment in plastic cases? Any other
insights
> > into why metal cases are not needed on some rf equipment?
> > 73 & Merry Christmas to all,
> > Richard, KG4VOX
> >
> >
> >
>
>
>

Date: Sat, 21 Dec 2002 13:41:59 -0500
From: "Kevin F. Glynn" <kfglynn@mindspring.com>
To: <qrp-l@lehigh.edu>
Subject: [142748] Thanks for info on the LDG AT-11MP and MFJ-969
Message-ID: <003f01c2a920\$a5e82fa0\$13e5fea9@glynn981>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi gang,

I'd like to say thanks to everyone who helped with info on the above two
tuners and my balun question from a couple of weeks ago.

The LDG tuner won hands down. I did some shopping around and it looks like
R & L has the best price at \$209.00.

72 Kevin N2T0
Brooklyn, NYC
QRP-L #323
kfglynn@mindspring.com

Date: Sat, 21 Dec 2002 11:00:39 -0800
From: Robert Honan <robertus@harbornet.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [142749] Re: New Altoids Flavor???
Message-ID: <3E04BA57.9A2CF824@harbornet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

But do you have the Ginger Altoids? Man, are those ever hot! Perfect case for an
amp, I
think.

Dennis Ponsness wrote:

> Since most of us build or have built something in an Altoids tin, I was
> wondering if anyone else has seen the spearmint flavored Altoids besides me?
> It comes in a green tin and I just found them the other day. I knew about
> the peppermint, wintergreen and cinnamin flavored ones, but this was the
> first time I ever saw the spearmint. Or has civilization finally made it up
> here to the "Great White North"??
>
> 72 es oo
>
> Dennis - WB0WAO
>

--
Robert J. Honan KD7QLJ <kd7qlj@arrl.net>
~~~~~

There are 10 types of people in the world:  
those that understand binary, and those that don't.

-----  
Date: Sat, 21 Dec 2002 13:1:11 -0600  
From: "Doc K0EVZ" <dock0evz@earthlink.net>  
To: "qrp-l reflector" <qrp-l@lehigh.edu>  
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>  
Subject: [142750] RH-20 spoken for  
Message-ID: <4120021262119111795@earthlink.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII

Gang:

The Red Hot 20 has been spoken. Many thanks to all who inquired. Happy holidays, everyone.

73,

--Doc/K0EVZ

-----  
Date: Sat, 21 Dec 2002 13:3:15 -0600  
From: "Doc K0EVZ" <dock0evz@earthlink.net>  
To: "qrp-l reflector" <qrp-l@lehigh.edu>  
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>  
Subject: [142751] Oops--I meant \*NC-20\* [g]  
Message-ID: <4120021262119315693@earthlink.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII

Gang:

Typed the wrong thing--I meant that the \*NC-20\* has been spoken for. Will be going to its new home sometime next week.

73,

--Doc/K0EVZ

-----  
Date: Sat, 21 Dec 2002 14:04:48 -0500 (EST)  
From: Chris Cartwright <ccart@phideaux.com>  
To: QRPL List <qrp-l@lehigh.edu>  
Subject: [142752] Class E amp = Cold Fusion?

Message-ID: <Pine.LNX.4.33.0212211305190.30020-100000@dns.phideaux.com.>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

CAUTION! This post contains technical QRP content! :)

Was re-reading the Aug 2001 QRP Homebrewer and decided to try W2BVH's MOSFET amp. Decided that I just didn't understand it enough and should experiment with it for 40M to "figger" it out. I built just the amp (no output filter) and fed it with my Icom 735 ALC'd back to 60mW. This little amp is amazing!

It's comprised of 4 caps, a toroid, a resistor, IRF510 and a 10K pot, that's it. I built mine on a solderless proto-board, the kind of thing you just stick parts into, several rows are connected with little fingers underneath. Now, with a 12.8V (190ma) supply I'm getting 2W out (with 60mW in) with about 82% efficiency. W2BVH wonders in the article about what an increase in supply voltage will do to the output. Well, I wondered too and that's where it gets weird.

I upped the supply to 26V (2 gel cells) and reset the pot for 1mA idle as before. Now I get 6.12W out, not bad you say, well read on. At that power it's drawing 210mA from the battery. I'll save you the math, 5.46W in, 6.12W or 112% efficient :)

Hang on a minute... Wanna check something before I make a total idiot out of myself.

!@#\$\$%\* analog meters!! DOH! was reading the wrong scale. So input was 24.3V at 320mA or 7.78W in, 6.12W out (60mw in) , and 78% efficiency. Whew, that was close:)

I've also been trying to work out the relationship of input capacitance, coil and frequency. I'm using almost the same uH in the coil as Lenny, but it seems to play better on 40 than 80. Also I have some IRF540's, that have a lower on resistance and faster switching time, but they do worse than the IRF510. I would think I could get more power out with a lower resistance, and run a higher frequency with the better switch times. So far that's not the case. I've changed the coil a few times, and can "sweep" the amp with the MFJ259 while I watch the output on the scope, and the current drawn from the supply. I can't seem to come up with any "rules of thumb" for Class E amps. I'm \*assuming\* that the coil would get smaller as the frequency goes up, but now I'm starting to doubt even that assumption.

The article uses a filter that transforms output impedance from 100 ohms at the drain to 50 ohms at the antenna, so I've been using a 4W 100 ohm dummy load on it. (The 100 ohm dummy load is factored into the power

calualtions) When the dummy load gets hot, the current starts to go up, but the MOSFET only barely gets warm to the touch. At the 2W level, I left it key-down for over five minutes and could still touch the 1" square heat sink I have on the transistor. So even anecdotal evidence would help in trying to get some basic rules together on this thing. I've been to Glenn VE3DNL's page, but I'm just not "gettin' it".

After this, I think I'll move on to the 25W 2xIRF510 amp in the W1FB Design Notebook. But I guess I'll have to talk about that one some other list :)

WARNING!! Several IRF510's and IRF540's were harmed in the making of this post. Further postings may endanger a number of IRF820's that recently have been set free from the captivity of an old power supply board.

72

```
-- Chris Cartwright,   Unix Administrator |      ccart@phideaux.com      --
-- N3XRV      ARRL-VE   Norcal Zombie #163 |      Oxford, PA 19363 FM29as   --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --
```

```
-----
Date: Sat, 21 Dec 2002 12:21:10 -0700
From: "Chris Trask" <chrisrask@earthlink.net>
To: <ccart@phideaux.com>,
    "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [142753] Re: Class E amp = Cold Fusion?
Message-ID: <010301c2a926$1f6a3260$68873a41@ctrask>
MIME-Version: 1.0
Content-Type: text/plain;
    charset="Windows-1252"
Content-Transfer-Encoding: 7bit
```

I wrote a paper for one of the IEEE symposiums on the design of the output tank circuits for switching amplifiers. That paper is available on my web site.

Chris

```

/-----\
/   What's all this   \
/ extinct stuff, anyhow? /
\-----'
_ | /
oo\

High Performance Mixers and
Amplifiers for RF Communications

Chris Trask / N7ZWY
Principal Engineer
Sonoran Radio Research
```

```
> CAUTION! This post contains technical QRP content! :)
>
> Was re-reading the Aug 2001 QRP Homebrewer and decided to try W2BVH's
> MOSFET amp. Decided that I just didn't understand it enough and should
> experiment with it for 40M to "figger" it out. I built just the amp (no
> output filter) and fed it with my Icom 735 ALC'd back to 60mW. This
> little amp is amazing!
>
> It's comprised of 4 caps, a toroid, a resistor, IRF510 and a 10K pot,
> that's it. I built mine on a solderless proto-board, the kind of thing
> you just stick parts into, several rows are connected with little fingers
> underneath. Now, with a 12.8V (190ma) supply I'm getting 2W out (with 60mW
> in) with about 82% efficiency. W2BVH wonders in the article about what
> an increase in supply voltage will do to the output. Well, I wondered too
> and that's where it gets weird.
>
> I upped the supply to 26V (2 gel cells) and reset the pot for 1mA idle as
> before. Now I get 6.12W out, not bad you say, well read on. At that
> power it's drawing 210mA from the battery. I'll save you the math, 5.46W
> in, 6.12W or 112% efficient :)
>
> Hang on a minute... Wanna check something before I make a total idiot out
> of myself.
>
> !@#$$%* analog meters!! DOH! was reading the wrong scale. So input was
> 24.3V at 320mA or 7.78W in, 6.12W out (60mw in) , and 78% efficiency.
```

> Whew, that was close:)  
>  
> I've also been trying to work out the relationship of input capacitance,  
> coil and frequency. I'm using almost the same uH in the coil as Lenny,  
> but it seems to play better on 40 than 80. Also I have some IRF540's,  
> that have a lower on resistance and faster switching time, but they do  
> worse than the IRF510. I would think I could get more power out with a  
> lower resistance, and run a higher frequency with the better switch  
> times. So far that's not the case. I've changed the coil a few times,  
> and can "sweep" the amp with the MFJ259 while I watch the output on the  
> scope, and the current drawn from the supply. I can't seem to come up  
> with any "rules of thumb" for Class E amps. I'm \*assuming\* that the coil  
> would get smaller as the frequency goes up, but now I'm starting to doubt  
> even that assumption.  
>  
> The article uses a filter that transforms output impedance from 100 ohms  
> at the drain to 50 ohms at the antenna, so I've been using a 4W 100 ohm  
> dummy load on it. (The 100 ohm dummy load is factored into the power  
> calculations) When the dummy load gets hot, the current starts to go  
> up, but the MOSFET only barely gets warm to the touch. At the 2W level, I  
> left it key-down for over five minutes and could still touch the 1"  
> square heat sink I have on the transistor. So even anecdotal evidence  
> would help in trying to get some basic rules together on this thing. I've  
> been to Glenn VE3DNL's page, but I'm just not "gettin' it".  
>  
> After this, I think I'll move on to the 25W 2xIRF510 amp in the W1FB  
> Design Notebook. But I guess I'll have to talk about that one some other  
> list :)  
>  
> WARNING!! Several IRF510's and IRF540's were harmed in the making of this  
> post. Further postings may endanger a number of IRF820's that recently  
> have been set free from the captivity of an old power supply board.  
>  
> 72  
>  
> -- Chris Cartwright, Unix Administrator |  
ccart@phideaux.com --  
> -- N3XRV ARRL-VE Norcal Zombie #163 | Oxford, PA 19363  
9as --  
> -- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI  
#9271 --  
>  
>  
>

-----



Date: Sat, 21 Dec 2002 13:20:47 -0600  
From: "Doc K0EVZ" <dock0evz@earthlink.net>  
To: "qrp-l reflector" <qrp-l@lehigh.edu>  
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>  
Subject: [142754] Compare K2 to Ten-Tec Argo V?  
Message-ID: <41200212621192047615@earthlink.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII

Gang:

Has someone directly compared the on-air performance of the K2 and the new Ten-Tec Argonaut V? Just wondering how they stack up in direct competition. If you have such info, please write me off-list. Will be much appreciated. Thanks and happy holidays.

73,  
--Doc/K0EVZ

-----  
Date: Sat, 21 Dec 2002 14:11:24 -0500  
From: Steven Weber <kd1jv@moose.ncia.net>  
To: qrp-l@lehigh.edu  
Subject: [142755] Re: Antenna Wire  
Message-ID: <3.0.6.32.20021221141124.007a84b0@mailhost.ncia.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Don't forget your local electrical supply distributor. I bought a 500 ft spool of #16 stranded "fixture wire" for about \$15.00 at mine. Make a lot of dipoles or a good sized loop with that much wire:-)

72,  
Steve, KD1JV  
"Melt Solder"  
White Mountains of New Hampshire  
<http://www.qsl.net/kd1jv/>

-----  
Date: Sat, 21 Dec 2002 14:21:18 -0500  
From: David Hinerman <WD8CIV@worldnet.att.net>  
To: qrp-1@lehigh.edu  
Subject: [142756] Re: RF Exposure through Plastic Cases?  
Message-ID: <5.1.1.6.1.20021221141830.00b1d8d0@postoffice.worldnet.att.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

>I have heard that some people paint the inside of the ZM-2 with a  
>conductive paint. You could then make some method of contact from the  
>painted inside of the ZM-2 to the faceplate. Optionally, a person could  
>buy some brass shim stock (or use aluminum foil glued on with spray  
>contact cement) and line the inside of the plastic case with that - again  
>making contact with the face plate in some manner.

Folks,

I ran across some adhesive aluminum tape in the automotive section at Wally World. It seems to be a really heavy foil with a pretty aggressive adhesive. It's about 2 inches wide, and I think it's made by 3M.

Has anyone used it? I thought about shielding my electric guitar's circuitry with it.

Dave

-----  
"An optimist says the glass is half full. A pessimist says the glass is half empty. An engineer says you could have used a smaller glass."  
-----

Dave Hinerman  
WD8CIV@att.net

-----  
Date: Sat, 21 Dec 2002 11:36:34 -0800  
From: "Bill Jones" <kd7s@psnw.com>  
To: <dbirnbaum@attbi.com>,  
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [142757] Re: Has anyone found the perfect Nor'easter box  
Message-ID: <000901c2a928\$45f62360\$576aadcf@RadioRoom>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Dan,

Well, I may be a little biased but I'm pretty happy with mine.

<http://www.psnw.com/~kd7s/noreaster.html>

----- Original Message -----

From: <dbirnbaum@attbi.com>

Subject: Has anyone found the perfect Nor'easter box

-----  
Date: Sat, 21 Dec 2002 15:07:46 -0500

From: "Mike Branca" <w3irz@att.net>

To: <qrp-l@Lehigh.EDU>

Subject: [142758] Re: RF Exposure through Plastic Cases?

Message-ID: <043f01c2a92c\$a1881360\$41ea5b0c@default>

MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Lets not all get overly concerned ICW RF exposure, especially at QRP levels. Again go back to the ARRL handbook and study the subject. Basically on HF below 100 watts there is not a lot to worry about, especially with CW & SSB where the on time is such a small part of the operating time (duty cycle).

However shielding to prevent un-desired signal pickup is a pretty good concern. Say for example you have a computer on your ham shack table and there is a good probability of noise pickup if the tuner sits on the monitor; better to run a little more coax to get the tuner beyond noise sources.

Mike Branca W3IRZ in Conyers Georgia

-----  
Date: Sat, 21 Dec 2002 15:53:10 +0000

From: neil <ntan@crosslink.net>

To: qrp-l@Lehigh.EDU

Subject: [142759] merry xmas

Message-ID: <20021221155310.A189@pygmy.crosslink.net>

Mime-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Disposition: inline

Happy Holidays everyone  
best 72-  
Neil wa4ch

-----  
Date: Sat, 21 Dec 2002 12:58:43 -0800  
From: "William Phinizy" <k6whp@verizon.net>  
To: "QRP-L" <qrp-l@Lehigh.EDU>  
Subject: [142760] Autek WM-1 Help  
Message-ID: <002601c2a933\$c0198780\$8b60e043@k6whp>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

Relax! I know this looks like I am asking how to hook up an SWR meter but..

..I just stumbled over an Autek WM-1 Watt/SWR meter that was a real  
"bargain" at the local swap meet. Well, it doesn't seem to indicate the  
correct SWR and power (some bargain). Does anyone have a manual they could  
copy for me? I would be happy to pay postage and duplication costs. Also,  
does anyone know if the 12V wall wart is center positive or center negative?

Also, any opinions about this device?

Yes, I did read the reviews on eham.net and, yes, I did check the Autek web  
site (I will be calling them on Monday).

Thanks in advance.

Bill, k6whp

-----  
Date: Sat, 21 Dec 2002 16:05:19 -0500  
From: Paul Womble <pwomble1@tampabay.rr.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [142761] Guam Update  
Message-ID: <3E04D78F.8E3BB26A@tampabay.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

>From the ARRL Letter:

## ==>HAM RADIO HAS ROLE IN GUAM RELIEF, RECOVERY

After a supertyphoon struck the Pacific Territory of Guam earlier this month, an opportunity for hams to step in and provide emergency communications never materialized, mostly due to a lack of fuel on the stricken island. Nonetheless, ham radio is playing a role as Guam residents get back on their feet.

"Most of the guys are trying to get themselves back together," said Dick Manns, KH2G, "but one of the main problems immediately after the typhoon was fuel for generators, as the tank farm was burning and no fuel could be brought out and what little was available was being reserved for emergency vehicles." The Marianas Amateur Radio Club has discussed setting up emergency communications systems, he said, but insufficient funding has hampered the effort.

Supertyphoon Pongsona hammered Guam December 8. Manns says FEMA, the US military and the nongovernmental relief organizations have been helping a lot in the typhoon's aftermath. But, it would have been nice, he suggested, if local hams had been able to reciprocate with some communications help using portable repeaters and packet radio. Another problem: The storm pretty much devastated amateur antenna systems, he said.

Duncan Campbell, KF6ILA/KH2, was one of the few hams able to get on the air in the first few days after the storm hit, felling the island's lone

2-meter repeater tower in the process. Island hams used 2-meter FM simplex as a major means of communication, Campbell said. The repeater reportedly is back up. He was able to make several stateside HF to relay needs, but fuel to run emergency generators for radio use became scarce, and he had to shut down after December 10.

Manns said electrical power remains out for most residents and that only about a third of the electrically powered water wells on Guam were functional. Telephone service remains out "pretty much island-wide for varying amounts of time" due to the power outages, he said. It's

expected

to be several months until electrical power is fully restored on Guam.

At one point, despite an active listening campaign, Amateur Radio operators on the air from Guam were simply not to be found. "We have six

amateurs engaged in this, almost our entire complement of HF operators,"

said ARRL District Emergency Coordinator for the Commonwealth of the Northern Mariana Islands (CNMI) Tim Hayes, NHOH, December 15. Amateurs on

Saipan monitored the agreed-upon emergency frequency of 7085 kHz almost continuously for a week without hearing a single Guam signal, he said.

The

Pacific Inter-Island Net on 14,320 kHz also made a special effort to listen for Guam stations.

Meanwhile, the American Red Cross, The Salvation Army and 28 US Government

agencies have combined to provide relief and recovery services. Reports say 1750 homes were destroyed or left uninhabitable by the typhoon.

The Salvation Army is operating 12 temporary shelters and housing an estimated 3000 residents left homeless. Salvation Army Team Emergency Radio Network (SATERN) Coordinator Pat McPherson, WW9E, said SATERN this

week established contact between Guam and the SATERN national office in Chicago via an EchoLink connection--a marriage of Amateur Radio and the Internet. McPherson credited Al Paja, WH2Z, on Guam with helping to set up

the EchoLink connection.

Campbell, Manns and others have been able to maintain communication to the

outside world via the Internet after December 11. The fiber optic line between Guam and the Commonwealth of the Northern Mariana Islands survived

the storm, and local Internet Service Providers were able to reconnect to

the backbone. With semi-reliable cellular telephone service available, Campbell was able to post updates on local conditions to several

Internet

bulletin boards.

The Guam Pacific Daily News Web site <<http://www.guampdn.com/>> also has remained active and current. It continues to provide a major conduit for

those outside the island to leave messages for friends and relatives on

Guam.

Amateurs affiliated with the US Department of Health and Human Services'

Office of Emergency Response flew to Guam. "We're very active here with disaster relief and have two sites operational on HF," said Steve "Sid" Caesar, NH7C, the team's communications officer. Others on that team include Satoshi Manabe, WH6CT0, and Jayson Kohama, WH6BXK. Caesar has been in regular contact with amateurs in Hawaii over the past week.

-----  
Date: Sat, 21 Dec 2002 15:58:25 -0500  
From: "George Heron N2APB" <n2apb@erols.com>  
To: "QRP-L" <qrp-l@Lehigh.EDU>  
Subject: [142762] Re: Class E amp = Cold Fusion?  
Message-ID: <002201c2a933\$b5d756d0\$78c93ad0@GHLTP4>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

Sounds like you're having lots of fun with Lenny's Class E Amp article from issue #6 of QHB magazine Chris. Building up circuits and playing with/modifying them to better understand things is one of the great joys of homebrewing.

A tidbit that I can add to perhaps describe the power discrepancies you mentioned is that it appears you don't have the low pass output filter hooked up and just have a resistor on the output of the MOSFET transistor. The apparent power seen (felt) in the resistive dummy load placed before (without) the LPF would be lots different than it would be a 50-ohm dummy load placed on the output of the LPF. The filter removes a significant amount of spectral garbage that otherwise is present, resulting in a more singular frequency being output. On the "input side" of the filter all the spectral garbage (switching noise, et al) adds to the apparent power going into the resistor and is quite difficult to calculate by conventional means.

I'm not sure this condition of not having the filter hooked up even addresses your question of how the MOSFET isn't getting hot, but I've forwarded your message over to the author (Lenny Wintfeld, W2BVH) and Joe Everhart, N2CX who worked with Lenny behind the scenes on this project. Perhaps they'll have some insight to add.

For interested QRP-Lers, we have this Class E Amp article on the "QHB Extra" pages showing the graphics, photos and schematic for the project. You can

see it at <http://www.njqrp.org/qhbextra/6/6b.html>

73, George N2APB  
n2apb@erols.com

PS: It sure is great to see technical posts on the List. Thanks for sharing your experiments with us Chris.

-----  
Date: Sat, 21 Dec 2002 13:25:03 -0800  
From: Scott Gregson <emtech@steadynet.com>  
To: qrp-l <qrp-l@lehigh.edu>  
Subject: [142763] Re: RF Exposure through Plastic Cases?  
Message-ID: <3E04DC2F.7050104@steadynet.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii; format=flowed  
Content-Transfer-Encoding: 7bit

When I was an aircraft sheetmetal man in the Air-Force and we called that Aluminum tape "speed-tape". We were to use it to make minor bottom of the wing repairs if we needed to get another sortie out of that plane ASAP. That tape would work great.

David Hinerman wrote:

>  
>> I have heard that some people paint the inside of the ZM-2 with a  
>> conductive paint. You could then make some method of contact from the  
>> painted inside of the ZM-2 to the faceplate. Optionally, a person  
>> could buy some brass shim stock (or use aluminum foil glued on with  
>> spray contact cement) and line the inside of the plastic case with  
>> that - again making contact with the face plate in some manner.  
>  
>  
> Folks,  
>  
> I ran across some adhesive aluminum tape in the automotive section at  
> Wally World. It seems to be a really heavy foil with a pretty aggressive  
> adhesive. It's about 2 inches wide, and I think it's made by 3M.  
>  
> Has anyone used it? I thought about shielding my electric guitar's  
> circuitry with it.  
>  
> Dave  
>



> -----  
> "An optimist says the glass is half full. A pessimist says the glass is  
> half empty. An engineer says you could have used a smaller glass."  
> -----  
> Dave Hinerman  
> WD8CIV@att.net  
>  
>  
>

-----  
Date: Sat, 21 Dec 2002 13:41:19 -0800  
From: Scott Gregson <emtech@steadynet.com>  
To: qrp-1 <qrp-1@lehigh.edu>  
Subject: [142764] Re: RF Exposure through Plastic Cases?  
Message-ID: <3E04DFFF.2020502@steadynet.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii; format=flowed  
Content-Transfer-Encoding: 7bit

Hmmm, I guess I should get a copy of that QST - haven't had the extra bucks to pay for my ARRL membership.

I guess I should post the rest of the ZM-100 manual for people to look at. More photo's would help also.

If people were interested I could put together a package deal for build it yourself ZM-100's. We don't have the cash to bring the tuner to market right now.

~Scott

brian wrote:

> What about building it in a double sided PCB homebrew case?  
>  
> That outght to fly.  
>  
> The Jan QST has a article in it that mentions the ZM-2 and how to  
> build a 100w version. The Jan QST has several good articles this  
> month....still slowly devouring mine.  
>  
> 73  
>  
> ----- Original Message -----  
> From: "Scott Gregson" <emtech@steadynet.com>  
> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

> Sent: Saturday, December 21, 2002 1:31 PM  
> Subject: Re: RF Exposure through Plastic Cases?  
>  
>  
>  
>>This is not an answer to your question, but an option for the ZM-2.  
>>  
>>I have heard that some people paint the inside of the ZM-2 with a  
>>conductive paint. You could then make some method of contact from  
>  
> the  
>  
>>painted inside of the ZM-2 to the faceplate. Optionally, a person  
>  
> could  
>  
>>buy some brass shim stock (or use aluminum foil glued on with spray  
>>contact cement) and line the inside of the plastic case with that -  
>>again making contact with the face plate in some manner.  
>>  
>>~Scott  
>>  
>>Richard Slone wrote:  
>>  
>>>Hi all,  
>>> At QRP levels rf exposure is not as much of a concern I imagine,  
>  
> but I do  
>  
>>>have a question. Why does some rf equipment like a RS wattmeter  
>  
> and the  
>  
>>>ZM-2 antenna tuner come with plastic cases? I have always been  
>  
> under the  
>  
>>>assumption that rf circuits should always be shielded.  
>>> Looking back at the list archives, I found some posts about  
>  
> putting ZM-2  
>  
>>>kits in metal cases to prevent coupling effects when near other  
>  
> equipment,  
>  
>>>but there was no mention of rf exposure. Has anyone measured the  
>

> rf exposure  
>  
>>>from the ZM-2 or other QRP equipment in plastic cases? Any other  
>  
> insights  
>  
>>>into why metal cases are not needed on some rf equipment?  
>>> 73 & Merry Christmas to all,  
>>> Richard, KG4VOX  
>>>  
>>>  
>>>  
>>  
>>  
>>  
>  
>  
>  
>

-----

Date: Sat, 21 Dec 2002 16:46:8 -0500  
From: "Laird Jerman" <ljerman@earthlink.net>  
To: qrp-l@lehigh.edu  
Subject: [142765] OT Windows XP HELP  
Message-ID: <4120021262121468226@earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/html; charset=US-ASCII

<HTML><HEAD>  
<META http-equiv=Content-Type content="text/html; charset=windows-1251">  
<META content="MSHTML 6.00.2600.0" name=GENERATOR></HEAD>  
<BODY>  
<P>  
<DIV></DIV>  
<DIV>I know that this doesn't have anything to do with qrp but I thought I would see if anyone on this group may have an answer to a problem that I have.&nbsp; I am running Windows XP and have found that when I use a floppy disk it reads everything on the disk the first time I put it in the drive.&nbsp; If I place another floppy in the drive, the files that come up are the ones from the previous disk.&nbsp; I have to reboot the computer to read another disk.&nbsp; Even if I don't have a disk in drive A when I go to "my computer", it still shows the files from the previous disk.&nbsp;&nbsp; Any suggestions or ideas would be appreciated.</DIV>  
<DIV>&nbsp;</DIV>  
<DIV><A href="mailto:Ljerman@earthlink.net">Ljerman@earthlink.net</A></DIV>

<DIV>WA3IMF&nbsp;</DIV>  
<P></P></BODY></HTML>

-----  
Date: Sat, 21 Dec 2002 16:56:18 -0500  
From: "Bill, N4QA" <n4qa@hotmail.com>  
To: qrp-l@Lehigh.EDU  
Subject: [142766] sneak....P-R-E-V-I-E-W !... DSWTUN03  
Message-ID: <BAY1-F157gcc7yfxZuI00009bc0@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

I promised myself that I wouldn't begin writing code for DSWTUN03, release 1.00 until after the new year (2003) has arrived...I'm just funny that way. OK, DSWTUN03 is still a no-code <g> application but I thought that, perhaps, some persons might like a glimpse of that which is to come...gosh, hope this thing works :)

So, I fired up the 'development PC'...its screen was solid green until the red & blue guns got fired up...it's ALWAYS something...

Anyway, I've been itching to get a few ideas on screen and start getting serious about thinking this project through.

It will be another relatively simple application and if you'd care to take a gander, please do.

73.

Bill, N4QA

<http://www.qsl.net/n4qa/>

-----  
Add photos to your e-mail with MSN 8. Get 3 months FREE\*.  
[http://join.msn.com/?page=features/](http://join.msn.com/?page=features/featuredemail&xAPID=42&PS=47575&PI=7324&DI=7474&SU=)  
[featuredemail&xAPID=42&PS=47575&PI=7324&DI=7474&SU=](http://www.hotmail.msn.com/cgi-bin/getmsg&HL=1216hotmailtaglines_addphotos_3mf)  
[http://www.hotmail.msn.com/cgi-bin/getmsg&HL=1216hotmailtaglines\\_addphotos\\_3mf](http://www.hotmail.msn.com/cgi-bin/getmsg&HL=1216hotmailtaglines_addphotos_3mf)

-----  
Date: Sat, 21 Dec 2002 16:54:49 -0500  
From: Steven Weber <kd1jv@moose.ncia.net>  
To: qrp-l@lehigh.edu  
Subject: [142767] Re: Class E amp = Cold Fusion?  
Message-ID: <3.0.6.32.20021221165449.007aee40@mailhost.ncia.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

I won't call that a Class E amplifier. A or C, depending on where you set the bias, but not E. Class E implies some sort of pulse or digital drive, in order to operate the FET in a switching mode. That is not present in this amplifier.

I would make two changes to the circuit presented at:

<http://www.njqrp.org/qhbextra/6/6b.html>

1. Add a 100-470 ohm resistor between the gate and the bias trim pot. That will give the driver a constant impedance to look into, regardless of the bias trimmer setting. (by-pass the wiper/gate resistor junction, with a .1 ufd cap)

2. Add some regulation to the bias trimmer input. A couple of LED's in series make a reasonably good regulator for about 3 volts. (add a series resistor to the voltage feed of the trimmer and add the LED's from that junction to ground.

It's actually safer to just run one LED, so the bias can't go over 1.2 -1.5 volts. This is enough to reduce the peak to peak drive needed, but not high enough to actually turn the FET on when there is no signal present, so no chance of the drain current getting out of hand.

72,

Steve, KD1JV

"Melt Solder"

White Mountains of New Hampshire

<http://www.qsl.net/kd1jv/>

-----  
Date: Sat, 21 Dec 2002 17:19:29 -0500

From: "NZ8J" <nz8j@woh.rr.com>

To: <qrp-1@Lehigh.EDU>

Subject: [142768] WTB: Rascal interface for FT-817

Message-ID: <006701c2a93f\$07fcff90\$6400a8c0@NZ8J>

MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Looking for the Buxcom Rascal Digital interface for the FT-817. Thought I would check here prior to ordering a new one.

Thanks

Tim

NZ8J

-----  
Date: Sat, 21 Dec 2002 14:25:44 -0800 (PST)  
From: Lloyd Lachow <llachow@yahoo.com>  
To: a low-energy group <qrp-l@lehigh.edu>  
Subject: [142769] FOX: K3ESE Log 1.1  
Message-ID: <20021221222544.23104.qmail@web41006.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Here are the corrections to date. At 0322, I have  
K4BB, which seems not quite right. Ray, what's your  
call? Send any further corrections directly, and  
thanks!

December 20, 2002 UTC:

|      |       |     |    |       |    |
|------|-------|-----|----|-------|----|
| 0200 | KV4EE | 559 | SC | Craig | 5W |
| 0201 | N4ROA | 559 | VA | Dan   | 5W |
| 0202 | N4BP  | 559 | FL | Bob   | 5W |
| 0203 | N9NE  | 589 | WI | Todd  | 5W |
| 0204 | AC5JH | 559 | OK | Tom   | 5W |

|      |       |     |    |       |    |
|------|-------|-----|----|-------|----|
| 0207 | VE6KG | 559 | AB | Norm  | 5W |
| 0207 | K4ADI | 559 | SC | Frank | 5W |
| 0209 | W5TB  | 559 | TX | Doc   | 5W |
| 0209 | N0AR  | 599 | MN | Scott | 5W |
| 0210 | WD9F  | 559 | IL | Woody | 5W |

|      |       |     |    |        |    |
|------|-------|-----|----|--------|----|
| 0211 | WE9K  | 559 | WI | Glenn  | 5W |
| 0212 | K5FSE | 599 | GA | Jack   | 5W |
| 0214 | KK5LD | 559 | TX | Dan    | 5W |
| 0214 | KR5C  | 599 | TX | George | 5W |
| 0215 | N3ZPQ | 559 | OH | Frank  | 4W |

|      |        |     |    |      |       |
|------|--------|-----|----|------|-------|
| 0216 | K0EVZ  | 559 | ND | Doc  | 5W    |
| 0217 | KB9YIG | 569 | IN | Tony | 500mW |
| 0218 | W9XU   | 559 | WI | Lon  | 5W    |
| 0219 | K5AIC  | 559 | MS | Herb | 5W    |
| 0219 | K4GT   | 559 | GA | Jim  | 5W    |

|      |        |     |    |       |    |
|------|--------|-----|----|-------|----|
| 0220 | K5PSH  | 559 | TX | Jerry | 5W |
| 0221 | WA9TZE | 559 | WI | Jim   | 5W |

|      |       |     |    |        |    |
|------|-------|-----|----|--------|----|
| 0222 | AF4AT | 559 | NC | Jim    | 5W |
| 0223 | W0UFO | 559 | MN | Mert   | 5W |
| 0225 | K5TR  | 599 | TX | Geo    | 5W |
| 0225 | AG0T  | 559 | ND | Todd   | 4W |
| 0227 | W5YR  | 559 | TX | George | 5W |
| 0227 | W0CH  | 559 | MO | Dave   | 5W |
| 0228 | K5E0A | 559 | LA | Wayne  | 5W |
| 0229 | AA50  | 559 | LA | Vern   | 5W |
| 0230 | N0HRL | 559 | MN | Ken    | 5W |
| 0231 | AJ4AY | 559 | AL | Jay    | 5W |
| 0232 | K4BYF | 559 | FL | Jack   | 3W |
| 0233 | N1TP  | 559 | FL | Tom    | 5W |
| 0234 | AF4PS | 579 | FL | Mac    | 3W |
| 0234 | N2WW  | 559 | CO | Larry  | 5W |
| 0236 | K40AH | 559 | GA | Garey  | 5W |
| 0237 | N5ZE  | 559 | TX | Lew    | 5W |
| 0237 | AE4Y  | 559 | GA | Kent   | 5W |
| 0238 | WS4S  | 559 | TN | Conard | 5W |
| 0239 | AB5XQ | 559 | AR | Bill   | 5W |
| 0240 | N5WL  | 559 | OK | Bart   | 5W |
| 0241 | N0WX  | 579 | MN | Mike   | 5W |
| 0242 | N1FN  | 559 | CO | ET     | 5W |
| 0242 | AF4LQ | 559 | KY | Mike   | 5W |
| 0243 | W9HL  | 559 | IL | Randy  | 5W |
| 0244 | K5SR  | 559 | TX | Dale   | 5W |
| 0245 | K4FB  | 559 | FL | Paul   | 5W |
| 0246 | W5USJ | 559 | TX | Chuck  | 5W |
| 0249 | N9AW  | 559 | WI | Jerry  | 5W |
| 0250 | K9IUA | 559 | IA | Kevin  | 5W |
| 0251 | K4TJD | 559 | GA | Tom    | 5W |
| 0252 | K6VNX | 559 | CA | Arlen  | 5W |
| 0254 | VE6EX | 559 | AB | Dan    | 5W |
| 0255 | K5ZTY | 559 | TX | Bill   | 5W |
| 0255 | K0PC  | 559 | MN | Pat    | 5W |
| 0257 | AC7A  | 559 | AZ | Tom    | 5W |
| 0258 | K5JHP | 559 | TX | Bill   | 5W |
| 0259 | N0RC  | 559 | CO | Rod    | 5W |
| 0259 | N0TK  | 559 | CO | Dan    | 5W |
| 0300 | K3PH  | 559 | PA | Bob    | 5W |
| 0301 | N5IB  | 559 | LA | Jim    | 5W |

|      |        |     |    |       |      |
|------|--------|-----|----|-------|------|
| 0302 | NK9G   | 559 | WI | Rick  | 5W   |
| 0303 | NN5E   | 559 | TX | Vern  | 5W   |
| 0303 | K9DC   | 559 | IN | Dave  | 5W   |
| 0304 | WD7Z   | 559 | NM | Dave  | 5W   |
| 0305 | N0UR   | 559 | MN | Jim   | 5W   |
| 0306 | N5EBD  | 559 | TX | Ken   | 5W   |
| 0307 | KI0II  | 559 | CO | Ron   | 1W   |
| 0308 | KR0U   | 559 | CO | Tim   | 5W   |
| 0309 | WR50   | 559 | TX | Dave  | 5W   |
| 0312 | W0RSP  | 559 | SD | Ade   | 5W   |
| 0313 | K5DW   | 559 | TX | Don   | 5W   |
| 0314 | WB6BWZ | 559 | GA | Matt  | 5W   |
| 0315 | NU0V   | 559 | IA | John  | 3W   |
| 0318 | VA6RF  | 559 | AB | Earl  | 5W   |
| 0320 | AB9CA  | 559 | AL | Dave  | 5W   |
| 0321 | AA5TA  | 559 | TX | Larry | 5W   |
| 0322 | W9XT   | 559 | WI | Gary  | 5W   |
| 0322 | K4BB?  | 589 | KY | Ray   | 4W?? |
| 0324 | N3BJ   | 559 | VA | Alan  | 5W   |
| 0325 | VE5DC  | 559 | SK | Jerry | 5W   |
| 0326 | N9WW   | 559 | IL | Jim   | 5W   |
| 0332 | K7TQ   | 579 | ID | Randy | 5W   |
| 0339 | KB7WW  | 559 | OR | Art   | 5W   |
| 0341 | KU7Y   | 559 | AZ | Ron   | 5W   |
| 0348 | N1Q0   | 559 | VT | John  | 5W   |
| 0349 | NV4V   | 559 | KY | Pete  | 5W   |
| 0350 | KK5NA  | 559 | TX | Joe   | 5W   |
| 0358 | KD5CMN | 559 | TX | Mike  | 5W   |
| 0400 | K0FRP  | 559 | CO | Al    | 5W   |
| 0400 | K3ESE  | 559 | MD | Lloyd | 5W   |



=====

73, 72 es oo, Lloyd, K3ESE

K1 # 00379 - 20/40M Rock-Mites - Hunk o' Wahr

ARRL - ARS #1301 - FISTS #8774

FPqrp #476 - QRParci #11147

QRP-L #2415 - SOC #530

dit dididit dit

-----  
Do you Yahoo!?

Yahoo! Mail Plus - Powerful. Affordable. Sign up now.

<http://mailplus.yahoo.com>

-----  
Date: Sat, 21 Dec 2002 15:36:52 -0700 (MST)

From: "Karl F. Larsen" <k5di@zianet.com>

To: "Chuck Adams, K7Q0" <k7qo@earthlink.net>

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [142770] Re: OT:Russian Beacon - M heard LOUD this morning

Message-ID: <Pine.LNX.4.44.0212211535400.2445-1000000@bucket.dog>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Ahem, well nice of the Russians to let us use their beacon frequency then.

On Sat, 21 Dec 2002, Chuck Adams, K7Q0 wrote:

> At 06:51 AM 12/21/2002 -0700, Karl F. Larsen wrote:

>

>

> >Wouldn't you know they would pick our QRP frequency to put a beacon on!

> >

> >

>

> No, we picked theirs. They were there first.

>

> FYI

>

>

> Chuck Adams, K7Q0

> <http://www.qsl.net/k7qo> and <http://www.earthlink.net/~k7qo>  
>  
> Moving to Arizona? ---- Please bring your own water.  
>  
>

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

-----  
Date: Sat, 21 Dec 2002 14:36:55 -0800  
From: David Castor <dpcastor@attbi.com>  
To: <qrp-1@lehigh.edu>  
Subject: [142771] OT - Capacitor Replacement - Computer Motherboard  
Message-ID: <BA2A2D07.C1%dpcastor@attbi.com>  
Mime-version: 1.0  
Content-type: text/plain; charset="US-ASCII"  
Content-transfer-encoding: 7bit

After several months of intermittent problems, I finally took my PC apart for a closer look. I found a huge number of failed electrolytic caps on my ABIT motherboard. These have blown out and leaked all over the place. What a mess.

Since it is out of warranty, I am wondering how difficult it would be to replace these caps myself. I'm just not sure what complications are caused by trying to desolder on the multi-layer PCB.

The mobo has about 40 of these caps, and about half already show signs of leaking or bulging, so I'm figuring to replace them all.

Any advice on working on motherboards?

BTW, I did a little research and found that this is a known problem, not just with ABIT and not just with motherboards. Apparently, there are large numbers of capacitors from Taiwan that have defective electrolyte. These are appearing in consumer electronics all over the place. I read that Ford and Bose were having mass failures in their car radios and amplifiers.

But my next motherboard won't be ABIT.

Thanks in advance,

Dave - K7EL

-----  
Date: Sat, 21 Dec 2002 16:47:20 -0600  
From: Nick Kennedy <nkennedy@tcainternet.com>  
To: "Low Power Amateur Radio Discussion (E-mail)" <qrp-l@Lehigh.EDU>  
Subject: [142772] Hacking the NJQRP/K8IQY PVX0  
Message-ID: <01C2A910.A2268700.nkennedy@tcainternet.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

I really like Jim's Precision VX0 circuit that appeared in the Atlanticon Compendium and later the NJQRP Homebrewer. And with the kit they offer you can end up with a really nice looking signal generator. But I wanted to customize it a bit, so I started putting it together Manhattan style using Dan's shrapnel-pads. Here's the tale with some of the variations I put in and stuff I learned:

First, I didn't have a handful of nice DPDT mini-toggles to spare, so I decided to do the inductor switching thing with a DIP switch. But it consists of SPSTs, so instead of "switching around" the molded inductors, I put them all in series and have the DIP switches shorting out the unused ones.

Built the oscillator, FET follower, and amplifier. Used a 2K 10-t pot instead of 5K, because that's what I have. It worked and looked good on the scope, tuning was smooth and the waveform and amplitude remained undistorted and constant over the tuning range. I was getting about -2 dB output. I wanted a little more juice out of the thing because I was planning to use resistive matching instead of 4:1 transformers and needed to make up the losses. So I changed up the circuit between the follower and the Norton amp so all of the follower's RF current went into the amp instead of about 10%. I didn't see any need to match the input of the amplifier to the circuit driving it. Feel free to straighten me out on this, as long as you don't want to take away my extra ticket. Anyway, I got the output up to about +10 dBm or so now.

As I said, I used resistive pads to put my test crystal in a 12.5 ohm environment. Someone had suggested this on QRP-L earlier. With resistors OR transformers, the effect is to narrow the bandwidth and also to make the crystal Rs easier to measure, as it has a greater sway here than in the 50 ohm world. Due to the narrower bandwidth, you need a good stable generator, adjustable to a Hz or two easily. The K8IQY PVX0 is great for this if you don't have a DDS lying around. My matching circuit consists of two tee matcher/attenuators, one on either side of the crystal. The attenuation of each is 16 dB. The 50 ohm ends are 44.2 ohm resistors. The middle leg to ground is 8.1 ohms (two 16.2's in parallel). The 12.5 ohm

end calculates to be about 5 ohms but is left out in this case. The resistance of the crystal being approximately 10 ohms, makes up this leg for for both matchers. Typical variations in  $R_s$  won't throw off the resistance seen from outside looking in or inside looking out by a significant amount.

For a detector in crystal testing, I use the Kanga log power meter. It'll go down to about -70 dBm, so I didn't have to worry about the 32 dB I was throwing away in the matcher. I also added a switchable -3 dB pad between the output and the detector. That makes looking for the -3 dB points a little easier. (You don't have to calculate 0.707 times the peak.)

I also added a separate amplifier driven off of the FET follower to provide an input to my frequency counter. It's an old and none too sensitive Goldstar. I used what I call the Bad Amp circuit. It's bad because it breaks all the rules--gain varies with beta and so on. But it's an easy way to get high gain and really easy to build with a transistor, two resistors and two coupling capacitors. Connect a 2.2k resistor from  $V_{cc}$  to collector and a 220k from collector to base and ground the emitter. Input to the base and output from the collector. I think I've seen variations on this in NJQRP's frequency counter, Paul Harden's regen receiver, and Tom Engdahl's page has a version as a microphone preamp. Make the big resistor's value beta times the smaller one and the collector voltage will be at about 1/2 of supply.

But the coolest thing about studying Jim's PVX0 was trying to figure out the Norton amplifier. Don't say "read the book" on this one--it's not easy to find in The Book or on the web. It's easy to build but hard to analyze due to the strange 3-winding transformer with two unequal windings in the collector lead and a one turn winding in the input (emitter) lead. I finally found a fairly good rundown in Hayward's Introduction to Radio Frequency Design. Turns out you can characterize the thing just by considering the transformer as an ideal transformer. That means all fluxes cancel, which also means that the total ampere-turns of currents flowing into the three dots equals zero. Take it from there.

The transformer keeps everything in lockstep & the transistor supplies the power gain. If the winding turns are in a certain ratio, the input resistance will equal the connected load resistance and the power gain will depend on the number of turns. When the winding connected to  $V_{cc}$  has  $m$  turns and the one connected to the collector has  $n$  turns, the required relationship is this:

$$n = m^2 - m - 1$$

And power gain is  $G_t = m^2$ .

Sets of reasonable numbers of turns to produce this amplifier and resulting

power gains are (m, n, dB) =

(2, 1, 6)  
(3, 5, 9.5)  
(4, 11, 12)  
(5, 9, 14)

Having the input resistance equal the output resistance can be good in cases where you have a constant load, such as 50 ohms, and the driving stage needs to see the same resistance. That's the case with a lot of filters. In many cases, as Hayward pointed out, having input R dependent on the load would be a bad thing, but here it's just what we want. Another "bad amp" that can be good. So it just depends, and one size does not fit all, eh?

This amplifier is also called the Norton Noiseless amplifier. I think that's because you don't have noise producing resistors in the signal paths. Is that right?

We now return you to bickering about who has the better Extra. BTW, can someone tell me how to hook up my SWR meter? I lost the manual.

72--Nick, WA5BDU

-----  
Date: Sat, 21 Dec 2002 16:53:35 -0600  
From: "Stephen Yates" <aa5tb@arrl.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [142773] Re: New Altoids Flavor???  
Message-ID: <001a01c2a943\$cbd608e0\$0100a8c0@Main>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I personally like the cinnamon flavored Altoids with the babe in a red dress on the tin! And my wife bought them for me - gotta luv her! It would make a nice case for a "red hot 20" or something.

73,  
Steve Yates - AA5TB

<http://www.qsl.net/aa5tb/>

-----  
Date: Sat, 21 Dec 2002 15:58:10 -0700 (MST)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: Lloyd Lachow <llachow@yahoo.com>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [142774] Re: FOX: K3ESE Log 1.0  
Message-ID: <Pine.LNX.4.44.0212211544450.2445-100000@bucket.dog>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Lloyd has been sending me insulting messages and I have been sending them back in kind. But this is kind of a low blow. Lloyd I'm very good with Morse code and I can tell the difference between k4adi and k5di. For 2 big differences, my call has just 4 characters and another the number is a 5. .... is a lot different than ....-.

I have you logged in at 0209 UTC. But since I'm not on a team that this time it matters not to me. I will draw a line through the entry and make sure that if I hear you calling me in a couple of weeks I will make certain to work you.

Since you seemed to hear me ok why didn't you call me?

On Fri, 20 Dec 2002, Lloyd Lachow wrote:

> Here are the 92 pelts I managed to distribute last  
> night. Please send corrections directly to me. (Karl,  
> you won't be able to do that, so I have to let you  
> know that when you thought you were working me, I was  
> actually working K4ADI.)  
>  
> December 20, 2002 UTC:  
>  
> 0200 KV4EE 559 SC Craig 5W  
> 0201 N4ROA 559 VA Dan 5W  
> 0202 N4BP 559 FL Bob 5W  
> 0203 N9NE 589 WA Todd 5W  
> 0204 AC5JH 559 OK Tom 5W  
>  
> 0207 VE6KG 559 AB Norm 5W  
> 0207 K4ADI 559 SC Frank 5W

0209

|   |      |        |     |     |            |
|---|------|--------|-----|-----|------------|
| > | W5TB | 559    | TX  | Doc | 5W         |
| > | 0209 | N0AR   | 599 | MN  | Scott 5W   |
| > | 0210 | WD9F   | 559 | IL  | Woody 5W   |
| > |      |        |     |     |            |
| > | 0211 | WE9K   | 559 | WI  | Glenn 5W   |
| > | 0212 | K5FSE  | 599 | GA  | Jack 5W    |
| > | 0214 | KK5LD  | 559 | TX  | Dan 5W     |
| > | 0214 | KR5C   | 599 | TX  | George 5W  |
| > | 0215 | N3ZPQ  | 559 | OH  | Frank 4W   |
| > |      |        |     |     |            |
| > | 0216 | K0EVZ  | 559 | ND  | Doc 5W     |
| > | 0217 | KB9YIG | 569 | IN  | Tony 500mW |
| > | 0218 | W9XU   | 559 | WI  | Lon 5W     |
| > | 0219 | K5AIC  | 559 | MS  | Herb 5W    |
| > | 0219 | K4GT   | 559 | GA  | Jim 5W     |
| > |      |        |     |     |            |
| > | 0220 | K5PSH  | 559 | TX  | Jerry 5W   |
| > | 0221 | WA9TZE | 559 | WI  | Jim 5W     |
| > | 0222 | AF4AT  | 559 | NC  | Jim 5W     |
| > | 0223 | W0UFO  | 559 | MN  | Mert 5W    |
| > | 0225 | K5TR   | 599 | TX  | Geo 5W     |
| > |      |        |     |     |            |
| > | 0225 | AG0T   | 559 | ND  | Todd 4W    |
| > | 0227 | W5YR   | 559 | TX  | George 5W  |
| > | 0227 | W0CH   | 559 | MO  | Dave 5W    |
| > | 0228 | K5E0A  | 559 | LA  | Wayne 5W   |
| > | 0229 | AA50   | 559 | LA  | Vern 5W    |
| > |      |        |     |     |            |
| > | 0230 | N0HRL  | 559 | MN  | Ken 5W     |
| > | 0231 | AJ4AY  | 559 | AL  | Jay 5W     |
| > | 0232 | K4BYF  | 559 | FL  | Jack 3W    |
| > | 0233 | N1TP   | 559 | FL  | Tom 5W     |
| > | 0234 | AF4PS  | 579 | FL  | Mac 3W     |
| > |      |        |     |     |            |
| > | 0234 | N2WW   | 559 | CO  | Larry 5W   |
| > | 0236 | K40AH  | 559 | GA  | Rey 5W     |
| > | 0237 | N5ZE   | 559 | TX  | Lew 5W     |
| > | 0237 | AE4Y   | 559 | GA  | Kent 5W    |
| > | 0238 | WS4S   | 559 | TN  | Conard 5W  |
| > |      |        |     |     |            |
| > | 0239 | AB5XQ  | 559 | AR  | Bill 5W    |
| > | 0240 | N5WL   | 559 | OK  | Bart 5W    |
| > | 0241 | N0WX   | 579 | MN  | Mike 5W    |
| > | 0242 | N1FN   | 559 | CO  | ET 5W      |
| > | 0242 | AF4LQ  | 559 | KY  | Mike 5W    |
| > |      |        |     |     |            |
| > | 0243 | W9HL   | 559 | IL  | Randy 5W   |
| > | 0244 | K5SR   | 559 | TX  | Dale 5W    |

|   |      |        |     |    |       |    |
|---|------|--------|-----|----|-------|----|
| > | 0245 | K4FB   | 559 | FL | Paul  | 5W |
| > | 0246 | W5USJ  | 559 | TX | Chuck | 5W |
| > | 0249 | N9AW   | 559 | WI | Jerry | 5W |
| > |      |        |     |    |       |    |
| > | 0250 | K9IUA  | 559 | IA | Kevin | 5W |
| > | 0251 | K4TJD  | 559 | GA | Tom   | 5W |
| > | 0252 | K6VNX  | 559 | CA | Arlen | 5W |
| > | 0254 | VE6EX  | 559 | AB | Dan   | 5W |
| > | 0255 | K5ZTY  | 559 | TX | Bill  | 5W |
| > |      |        |     |    |       |    |
| > | 0255 | K0PC   | 559 | MN | Pat   | 5W |
| > | 0257 | AC7A   | 559 | AZ | Tom   | 5W |
| > | 0258 | K5JHP  | 559 | TX | Bill  | 5W |
| > | 0259 | N0RC   | 559 | CO | Rod   | 5W |
| > | 0259 | N0TK   | 559 | CO | Dan   | 5W |
| > |      |        |     |    |       |    |
| > | 0300 | K3PH   | 559 | PA | Bob   | 5W |
| > | 0301 | N5IB   | 559 | LA | Jim   | 5W |
| > | 0302 | NK9G   | 559 | WI | Rick  | 5W |
| > | 0303 | NN5E   | 559 | TX | Vern  | 5W |
| > | 0303 | K9DC   | 559 | IN | Dave  | 5W |
| > |      |        |     |    |       |    |
| > | 0304 | WD7Z   | 559 | NM | Dave  | 5W |
| > | 0305 | N0UR   | 559 | MN | Jim   | 5W |
| > | 0306 | N5EBD  | 559 | TX | Ken   | 5W |
| > | 0307 | KI0II  | 559 | CO | Ron   | 1W |
| > | 0308 | KR0U   | 559 | CO | Tim   | 5W |
| > |      |        |     |    |       |    |
| > | 0309 | WR50   | 559 | TX | Dave  | 5W |
| > | 0312 | W0RSP  | 559 | SD | Ade   | 5W |
| > | 0313 | K5DW   | 559 | TX | Don   | 5W |
| > | 0314 | WB6BWZ | 559 | GA | Matt  | 5W |
| > | 0315 | NU0V   | 559 | IA | John  | 3W |
| > |      |        |     |    |       |    |
| > | 0318 | VA6RF  | 559 | AB | Earl  | 5W |
| > | 0320 | AB9CA  | 559 | AL | Dave  | 5W |
| > | 0321 | AA5TA  | 559 | TX | Larry | 5W |
| > | 0322 | W9XT   | 559 | WI | Gary  | 5W |
| > | 0322 | K4BB   | 589 | KY | Ray   | 4W |
| > |      |        |     |    |       |    |
| > | 0324 | N3BJ   | 559 | VA | Alan  | 5W |
| > | 0325 | VE5DC  | 559 | SK | Jerry | 5W |
| > | 0326 | N0WW   | 559 | IL | Jim   | 5W |
| > | 0332 | K7TQ   | 579 | ID | Randy | 5W |
| > | 0339 | KB7WW  | 559 | OR | Art   | 5W |
| > |      |        |     |    |       |    |
| > | 0341 | KU7Y   | 559 | AZ | Ron   | 5W |
| > | 0348 | N1Q0   | 559 | VT | John  | 5W |



> 0349 NV4V 559 KY Pete 5W  
 > 0350 KK5NA 559 TX Joe 5W  
 > 0358 KD5CMN 559 TX Mike 5W  
 >  
 > 0400 K0FRP 559 CO Al 5W  
 > 0400 K3ESE 559 MD Lloyd 5W  
 >  
 >  
 > Thanks again to everyone for a great time!  
 >  
 >  
 >  
 >  
 >  
 >  
 >  
 >  
 >  
 >  
 >  
 > =====  
 > 73, 72 es oo, Lloyd, K3ESE  
 > K1 # 00379 - 20/40M Rock-Mites - Hunk o' Wahr  
 > ARRL - ARS #1301 - FISTS #8774  
 > FPqrp #476 - QRParci #11147  
 > QRP-L #2415 - SOC #530  
 > HGT #6'1 - Wgt #190 - BT #B-  
 > dit dididit dit  
 >  
 > -----  
 > Do you Yahoo!?  
 > Yahoo! Mail Plus - Powerful. Affordable. Sign up now.  
 > <http://mailplus.yahoo.com>  
 >

--

- Karl Larsen k5di Las Cruces, NM Az ScQRPions -

-----  
 Date: Sat, 21 Dec 2002 18:07:45 -0500  
 From: Fred Lesnick <flesnick@tbaytel.net>  
 To: k5di@zianet.com  
 Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
 Subject: [142775] Re: FOX: K3ESE Log 1.0  
 Message-ID: <3E04F441.41263BA1@tbaytel.net>

MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Yep, he is in QRZ too.....  
That is a real son of a gun.....

K4ADI           Lookups: 174  
                  FRANK S LAMB  
                  102 SOMERSET DR  
                  LYMAN SC 29365  
                  USA

What are the odds.....

Fred

"Karl F. Larsen" wrote:

>  
>           Lloyd has been sending me insulting messages and I have been  
> sending them back in kind. But this is kind of a low blow. Lloyd I'm  
> very good with Morse code and I can tell the difference between k4adi  
> and k5di. For 2 big differences, my call has just 4 characters and  
> another the number is a 5. .... is a lot different than ....-.  
>  
> I have you logged in at 0209 UTC. But since I'm not on a team that this  
> time it matters not to me. I will draw a line through the entry and make  
> sure that if I hear you calling me in a couple of weeks I will make  
> certain to work you.  
>  
> Since you seemed to hear me ok why didn't you call me?  
>  
> On Fri, 20 Dec 2002, Lloyd Lachow wrote:  
>  
> >   Here are the 92 pelts I managed to distribute last  
> > night. Please send corrections directly to me. (Karl,  
> > you won't be able to do that, so I have to let you  
> > know that when you thought you were working me, I was  
> > actually working K4ADI.)  
> >  
> > December 20, 2002 UTC:  
> >  
> > 0200   KV4EE   559   SC   Craig   5W  
> > 0201   N4ROA   559   VA   Dan    5W  
> > 0202   N4BP    559   FL   Bob    5W  
> > 0203   N9NE    589   WA   Todd   5W  
> > 0204   AC5JH   559   OK   Tom    5W  
> >

|   |   |      |        |     |     |        |       |
|---|---|------|--------|-----|-----|--------|-------|
| > | > | 0207 | VE6KG  | 559 | AB  | Norm   | 5W    |
| > | > | 0207 | K4ADI  | 559 | SC  | Frank  | 5W    |
| > | > | W5TB | 559    | TX  | Doc | 5W     |       |
| > | > | 0209 | N0AR   | 599 | MN  | Scott  | 5W    |
| > | > | 0210 | WD9F   | 559 | IL  | Woody  | 5W    |
| > | > |      |        |     |     |        |       |
| > | > | 0211 | WE9K   | 559 | WI  | Glenn  | 5W    |
| > | > | 0212 | K5FSE  | 599 | GA  | Jack   | 5W    |
| > | > | 0214 | KK5LD  | 559 | TX  | Dan    | 5W    |
| > | > | 0214 | KR5C   | 599 | TX  | George | 5W    |
| > | > | 0215 | N3ZPQ  | 559 | OH  | Frank  | 4W    |
| > | > |      |        |     |     |        |       |
| > | > | 0216 | K0EVZ  | 559 | ND  | Doc    | 5W    |
| > | > | 0217 | KB9YIG | 569 | IN  | Tony   | 500mW |
| > | > | 0218 | W9XU   | 559 | WI  | Lon    | 5W    |
| > | > | 0219 | K5AIC  | 559 | MS  | Herb   | 5W    |
| > | > | 0219 | K4GT   | 559 | GA  | Jim    | 5W    |
| > | > |      |        |     |     |        |       |
| > | > | 0220 | K5PSH  | 559 | TX  | Jerry  | 5W    |
| > | > | 0221 | WA9TZE | 559 | WI  | Jim    | 5W    |
| > | > | 0222 | AF4AT  | 559 | NC  | Jim    | 5W    |
| > | > | 0223 | W0UFO  | 559 | MN  | Mert   | 5W    |
| > | > | 0225 | K5TR   | 599 | TX  | Geo    | 5W    |
| > | > |      |        |     |     |        |       |
| > | > | 0225 | AG0T   | 559 | ND  | Todd   | 4W    |
| > | > | 0227 | W5YR   | 559 | TX  | George | 5W    |
| > | > | 0227 | W0CH   | 559 | MO  | Dave   | 5W    |
| > | > | 0228 | K5EOA  | 559 | LA  | Wayne  | 5W    |
| > | > | 0229 | AA50   | 559 | LA  | Vern   | 5W    |
| > | > |      |        |     |     |        |       |
| > | > | 0230 | N0HRL  | 559 | MN  | Ken    | 5W    |
| > | > | 0231 | AJ4AY  | 559 | AL  | Jay    | 5W    |
| > | > | 0232 | K4BYF  | 559 | FL  | Jack   | 3W    |
| > | > | 0233 | N1TP   | 559 | FL  | Tom    | 5W    |
| > | > | 0234 | AF4PS  | 579 | FL  | Mac    | 3W    |
| > | > |      |        |     |     |        |       |
| > | > | 0234 | N2WW   | 559 | CO  | Larry  | 5W    |
| > | > | 0236 | K40AH  | 559 | GA  | Rey    | 5W    |
| > | > | 0237 | N5ZE   | 559 | TX  | Lew    | 5W    |
| > | > | 0237 | AE4Y   | 559 | GA  | Kent   | 5W    |
| > | > | 0238 | WS4S   | 559 | TN  | Conard | 5W    |
| > | > |      |        |     |     |        |       |
| > | > | 0239 | AB5XQ  | 559 | AR  | Bill   | 5W    |
| > | > | 0240 | N5WL   | 559 | OK  | Bart   | 5W    |
| > | > | 0241 | N0WX   | 579 | MN  | Mike   | 5W    |
| > | > | 0242 | N1FN   | 559 | CO  | ET     | 5W    |
| > | > | 0242 | AF4LQ  | 559 | KY  | Mike   | 5W    |
| > | > |      |        |     |     |        |       |

0209

|   |   |      |        |     |    |       |    |
|---|---|------|--------|-----|----|-------|----|
| > | > | 0243 | W9HL   | 559 | IL | Randy | 5W |
| > | > | 0244 | K5SR   | 559 | TX | Dale  | 5W |
| > | > | 0245 | K4FB   | 559 | FL | Paul  | 5W |
| > | > | 0246 | W5USJ  | 559 | TX | Chuck | 5W |
| > | > | 0249 | N9AW   | 559 | WI | Jerry | 5W |
| > | > |      |        |     |    |       |    |
| > | > | 0250 | K9IUA  | 559 | IA | Kevin | 5W |
| > | > | 0251 | K4TJD  | 559 | GA | Tom   | 5W |
| > | > | 0252 | K6VNX  | 559 | CA | Arlen | 5W |
| > | > | 0254 | VE6EX  | 559 | AB | Dan   | 5W |
| > | > | 0255 | K5ZTY  | 559 | TX | Bill  | 5W |
| > | > |      |        |     |    |       |    |
| > | > | 0255 | K0PC   | 559 | MN | Pat   | 5W |
| > | > | 0257 | AC7A   | 559 | AZ | Tom   | 5W |
| > | > | 0258 | K5JHP  | 559 | TX | Bill  | 5W |
| > | > | 0259 | N0RC   | 559 | CO | Rod   | 5W |
| > | > | 0259 | N0TK   | 559 | CO | Dan   | 5W |
| > | > |      |        |     |    |       |    |
| > | > | 0300 | K3PH   | 559 | PA | Bob   | 5W |
| > | > | 0301 | N5IB   | 559 | LA | Jim   | 5W |
| > | > | 0302 | NK9G   | 559 | WI | Rick  | 5W |
| > | > | 0303 | NN5E   | 559 | TX | Vern  | 5W |
| > | > | 0303 | K9DC   | 559 | IN | Dave  | 5W |
| > | > |      |        |     |    |       |    |
| > | > | 0304 | WD7Z   | 559 | NM | Dave  | 5W |
| > | > | 0305 | N0UR   | 559 | MN | Jim   | 5W |
| > | > | 0306 | N5EBD  | 559 | TX | Ken   | 5W |
| > | > | 0307 | KI0II  | 559 | CO | Ron   | 1W |
| > | > | 0308 | KR0U   | 559 | CO | Tim   | 5W |
| > | > |      |        |     |    |       |    |
| > | > | 0309 | WR50   | 559 | TX | Dave  | 5W |
| > | > | 0312 | W0RSP  | 559 | SD | Ade   | 5W |
| > | > | 0313 | K5DW   | 559 | TX | Don   | 5W |
| > | > | 0314 | WB6BWZ | 559 | GA | Matt  | 5W |
| > | > | 0315 | NU0V   | 559 | IA | John  | 3W |
| > | > |      |        |     |    |       |    |
| > | > | 0318 | VA6RF  | 559 | AB | Earl  | 5W |
| > | > | 0320 | AB9CA  | 559 | AL | Dave  | 5W |
| > | > | 0321 | AA5TA  | 559 | TX | Larry | 5W |
| > | > | 0322 | W9XT   | 559 | WI | Gary  | 5W |
| > | > | 0322 | K4BB   | 589 | KY | Ray   | 4W |
| > | > |      |        |     |    |       |    |
| > | > | 0324 | N3BJ   | 559 | VA | Alan  | 5W |
| > | > | 0325 | VE5DC  | 559 | SK | Jerry | 5W |
| > | > | 0326 | N0WW   | 559 | IL | Jim   | 5W |
| > | > | 0332 | K7TQ   | 579 | ID | Randy | 5W |
| > | > | 0339 | KB7WW  | 559 | OR | Art   | 5W |
| > | > |      |        |     |    |       |    |

```

> > 0341  KU7Y    559   AZ    Ron    5W
> > 0348  N1QO    559   VT    John   5W
> > 0349  NV4V    559   KY    Pete   5W
> > 0350  KK5NA    559   TX    Joe    5W
> > 0358  KD5CMN  559   TX    Mike   5W
> >
> > 0400  K0FRP    559   CO    Al     5W
> > 0400  K3ESE    559   MD    Lloyd  5W
> >
> >
> >   Thanks again to everyone for a great time!
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> >
> > =====
> > 73, 72 es oo, Lloyd, K3ESE
> >   K1 # 00379 - 20/40M Rock-Mites - Hunk o' Wahr
> >   ARRL - ARS #1301 - FISTS #8774
> >   FPqrp #476 - QRParci #11147
> >   QRP-L #2415 - SOC #530
> >   HGT #6'1 - Wgt #190 - BT #B-
> >   dit dididit dit
> >
> > -----
> > Do you Yahoo!?
> > Yahoo! Mail Plus - Powerful. Affordable. Sign up now.
> > http://mailplus.yahoo.com
> >
>
> --
>
>   - Karl Larsen k5di Las Cruces,NM Az ScQRPions -
>
-----

```

```

Date: Sat, 21 Dec 2002 16:14:42 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: qrp-l@lehigh.edu
Subject: [142776] Class E Amp??
Message-ID: <Pine.LNX.4.44.0212211606000.2445-1000000@bucket.dog>

```

MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Well lets see, from the dim past with tubes, a Class A amplifier has the same plate current flowing regardless of the exitation. Class B is well defined as an amp with plate current flowing 50% of the time exitation is applied. Class C is when plate current flows only for a small part of the exitation cycle, like 1/4 of a cycle is typical.

Class D I have never heard of. Or Class E for that matter. Been retired from the field for 10 years. Is this new?

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

-----  
Date: Sat, 21 Dec 2002 18:03:39 -0500  
From: David Hinerman <WD8CIV@worldnet.att.net>  
To: qrp-l@lehigh.edu  
Subject: [142777] Re: RF Exposure through Plastic Cases?  
Message-ID: <5.1.1.6.1.20021221180059.00b2b590@postoffice.worldnet.att.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Scott,

So that's what "speed tape" is. I just saw in the news in te past couple of weeks that one of the major airlines (I forget which) is being finefd by the FAA for improper use of speed tape on passenger craft.

But if my guitar ever goes airborne, you can bet I'M not ridng on it!

Dave

At 01:25 PM 12/21/2002 -0800, you wrote:  
>When I was an aircraft sheetmetal man in the Air-Force and we called that  
>Aluminum tape "speed-tape". We were to use it to make minor bottom of the  
>wing repairs if we needed to get another sortie out of that plane  
>ASAP. That tape would work great.  
>  
>David Hinerman wrote:  
>>  
>>>I have heard that some people paint the inside of the ZM-2 with a  
>>>conductive paint. You could then make some method of contact from the

>>> painted inside of the ZM-2 to the faceplate. Optionally, a person could  
>>> buy some brass shim stock (or use aluminum foil glued on with spray  
>>> contact cement) and line the inside of the plastic case with that -  
>>> again making contact with the face plate in some manner.

>>

>> Folks,

>> I ran across some adhesive aluminum tape in the automotive section at  
>> Wally World. It seems to be a really heavy foil with a pretty aggressive  
>> adhesive. It's about 2 inches wide, and I think it's made by 3M.  
>> Has anyone used it? I thought about shielding my electric guitar's  
>> circuitry with it.

-----  
"An optimist says the glass is half full. A pessimist says the glass is  
half empty. An engineer says you could have used a smaller glass."  
-----

Dave Hinerman  
WD8CIV@att.net

-----  
Date: Sat, 21 Dec 2002 16:23:59 -0700  
From: "Rod NØRC" <rod@n0rc.us>  
To: "qrp-1" <qrp-1@Lehigh.EDU>, "cqc-1" <CQCLIST@yahooogroups.com>  
Subject: [142778] SKN/RMN redux ready to ROCK [Mite]  
Message-ID: <000501c2a948\$0a96f540\$6401a8c0@greyrock>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Folks,

I could resist building one of the "Paper Clip Keys" that Jerry, WØPWE  
wrote about. Have a look here:

[http://www.frii.com/~rwc/r-m/skn/skn-rmn\\_s.html](http://www.frii.com/~rwc/r-m/skn/skn-rmn_s.html)

for my SKN/RKN setup. Key, tuner, rig and antenna all HB....

The doublet is hung in the attic with care, in hopes that SKN/RMN will  
soon be here... ;-)

\*\*\*Happy Holidays\*\*\*  
73, Rod NØRC

-----  
Date: Sun, 22 Dec 2002 00:34:02 +0100  
From: "Sverre Holm - LA3ZA" <la3za@qsl.net>  
To: <dpcastor@attbi.com>,  
      "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>  
Subject: [142779] RE: OT - Capacitor Replacement - Computer Motherboard  
Message-ID: <000301c2a949\$72586e60\$8e00a8c0@Master>  
MIME-Version: 1.0  
Content-Type: text/plain;  
              charset="us-ascii"  
Content-Transfer-Encoding: 7bit

My son's PC had the same problems with leaky electrolytics - I guess 5 or 6 of them. In his case, the intermittent problems were so great that we decided that there was nothing to lose. I desoldered and replaced them, and now it has worked for six months without any problems. I guess I was too naive to think that a multilayer board would create any problems.

Sverre  
LA3ZA  
[www.qsl.net/la3za](http://www.qsl.net/la3za)

> -----Original Message-----  
> From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU]  
> On Behalf Of David Castor  
> Sent: 21. desember 2002 23:37  
>  
> After several months of intermittent problems, I finally took  
> my PC apart for a closer look. I found a huge number of  
> failed electrolytic caps on my ABIT motherboard. These have  
> blown out and leaked all over the place. What a mess.  
>  
> Since it is out of warranty, I am wondering how difficult it  
> would be to replace these caps myself. I'm just not sure  
> what complications are caused by trying to desolder on the  
> multi-layer PCB.  
>

-----  
Date: Sat, 21 Dec 2002 15:33:51 -0800  
From: "Trevor Jacobs" <kg6cyn@earthlink.net>



To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [142780] Nao JA6PA on 21.060 lookin fer calls at 23:35 UTC  
Message-ID: <008001c2a949\$6b72fd40\$631ff4d8@tjacobs>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi Gang,

15 is pretty solid right now...good sigs...just finished a quick QSO  
with K1EQA and was just going to get back to work on a project when I  
heard Nao JA6PA...give him a shout as he's got a good signal in here...

73's Trev KG6CYN  
<http://home.earthlink.net/~kg6cyn>  
<http://www.qsl.net/kg6cyn>

-----  
Date: Sat, 21 Dec 2002 16:34:34 -0700  
From: "Rod N0RC" <rod@n0rc.us>  
To: "qrp-1" <qrp-1@Lehigh.EDU>, "cqc-1" <CQCLIST@yahooogroups.com>  
Subject: [142781] Re: [CQCLIST] SKN/RMN redux ready to ROCK [Mite]  
Message-ID: <000b01c2a949\$852582d0\$6401a8c0@greyrock>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

Make that ...could NOT resist...

----- Original Message -----  
From: "Rod N0RC" <rod@n0rc.us>  
To: "qrp-1" <qrp-1@Lehigh.EDU>; "cqc-1" <CQCLIST@yahooogroups.com>  
Sent: Saturday, December 21, 2002 4:23 PM  
Subject: [CQCLIST] SKN/RMN redux ready to ROCK [Mite]

> Folks,  
>  
> I could resist building one of the "Paper Clip Keys" that Jerry, W0PWE  
          ^^^^^^^^^^^^^^

-----  
Date: Sat, 21 Dec 2002 16:41:53 -0700  
From: "Dave Ek" <ekdave@earthlink.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [142782] Re: OT Windows XP HELP  
Message-ID: <000f01c2a94a\$8b283fa0\$8989fea9@oldman>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

If you're using Windows Explorer, try selecting "Refresh" from the "View" menu. That should reread the floppy disk and display the right files.

73 de Dave NK0E

-----  
WA3IMF wrote:

I know that this doesn't have anything to do with qrp but I thought I would see if anyone on this group may have an answer to a problem that I have. I am running Windows XP and have found that when I use a floppy disk it reads everything on the disk the first time I put it in the drive. If I place another floppy in the drive, the files that come up are the ones from the previous disk. I have to reboot the computer to read another disk. Even if I don't have a disk in drive A when I go to "my computer", it still shows the files from the previous disk. Any suggestions or ideas would be appreciated.

Ljerman@earthlink.net  
WA3IMF

-----  
Date: Sat, 21 Dec 2002 18:44:34 -0500  
From: Paul Womble <pwomble1@tampabay.rr.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [142783] Re: FOX: K3ESE Log 1.0  
Message-ID: <3E04FCE2.22FDD128@tampabay.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

K4ADI is Frank in South Carolina. I have worked him several times when I

was the fox.

"Karl F. Larsen" wrote:

> Lloyd has been sending me insulting messages and I have been  
> sending them back in kind. But this is kind of a low blow. Lloyd I'm  
> very good with Morse code and I can tell the difference between k4adi  
> and k5di. For 2 big differences, my call has just 4 characters and  
> another the number is a 5. .... is a lot different than ....-.

There is only 2 dah's and 1 dit difference. Very close, especially in the  
QRM and QRN on the forty meter band.

>  
>  
> I have you logged in at 0209 UTC. But since I'm not on a team that this  
> time it matters not to me. I will draw a line through the entry and make  
> sure that if I hear you calling me in a couple of weeks I will make  
> certain to work you.  
>

I have started a happy dance when other foxii started sending their info to  
a K4 only to hear Frank's call rather than mine.

This shows why it is important to be able to copy what the fox sends. There  
are many similar calls in the fox logs.

Ask the AF4 gang, or the Pesky Texans ;-)

73

Paul K4FB

-----  
Date: Sat, 21 Dec 2002 18:14:40 -0500  
From: "Lee Mairs" <lmairs@direcway.com>  
To: <dpcastor@attbi.com>,  
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [142784] Re: OT - Capacitor Replacement - Computer Motherboard  
Message-ID: <037f01c2a94b\$92b17560\$3b6d020a@boomer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

David -

With all the problems and "time sinks" that a faulty mother board can generate down the line, I'd not waste time and/or money on this one. It is time for a new motherboard.

73 de Lee  
km4yy

PS Check the deals at [www.tigerdirect.com](http://www.tigerdirect.com). No yadi yadi and not even a satisfied customer. In fact, I'm battling them over a Paypal payment return, but the prices look good...

----- Original Message -----

From: "David Castor" <[dpccastor@attbi.com](mailto:dpccastor@attbi.com)>  
To: "Low Power Amateur Radio Discussion" <[qrp-1@Lehigh.EDU](mailto:qrp-1@Lehigh.EDU)>  
Sent: Saturday, December 21, 2002 5:36 PM  
Subject: OT - Capacitor Replacement - Computer Motherboard

> After several months of intermittent problems, I finally took my PC apart  
> for a closer look. I found a huge number of failed electrolytic caps on  
my

> ABIT motherboard. These have blown out and leaked all over the place.

What

> a mess.

>

> Since it is out of warranty, I am wondering how difficult it would be to  
> replace these caps myself. I'm just not sure what complications are  
caused

> by trying to desolder on the multi-layer PCB.

>

> The mobo has about 40 of these caps, and about half already show signs of  
> leaking or bulging, so I'm figuring to replace them all.

>

> Any advice on working on motherboards?

>

> BTW, I did a little research and found that this is a known problem, not  
> just with ABIT and not just with motherboards. Apparently, there are  
large

> numbers of capacitors from Taiwan that have defective electrolyte. These  
> are appearing in consumer electronics all over the place. I read that  
Ford

> and Bose were having mass failures in their car radios and amplifiers.

>

> But my next motherboard won't be ABIT.

>

> Thanks in advance,

>

> Dave - K7EL

>  
>

-----  
Date: Sat, 21 Dec 2002 18:53:46 -0500  
From: "George Heron N2APB" <n2apb@erols.com>  
To: "QRP-L" <qrp-l@lehigh.edu>  
Cc: "George Heron N2APB" <n2apb@erols.com>  
Subject: [142785] Re: Class E amp = Cold Fusion?  
Message-ID: <003201c2a94c\$366d3310\$78c93ad0@GHLTP4>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

I can understand the confusion Steve, as you didn't see the actual article. Lenny explains in detail how it's actually a Class D/E amplifier -- an electronic switch feeding a resonant load, delivering as much power as possible to the load through the switch while preventing power dissipation in the switch itself. The amp is ideally driven by a square wave (or by pulses, as you mentioned) and is described very nicely on Glenn Leinweber's (VE3DNL) website located at <http://engphys.mcmaster.ca/~elmer101/effamp/effamp.html>. It's part of the Elmer 101 series, I believe.

In fact, now that I think of it, Glenn's web page description is an \*excellent\* explanation of Chris' original question of why the transistor itself doesn't get hot. He describes why the final transistor doesn't even need to be heatsinked: no signal transition time spent in the linear region of the transistor, thus no saturation loss and no transition/switching losses. And this operation is corroborated by the low-temperature, high-efficiency (82%) results that W2BVH documented.

The trim pot on the gate of the MOSFET is used to find the transistor's bias point and sets operation just below it. The IRF510 has a gate threshold of anywhere between 2 and 4 volts, and this is the point where the gate voltage starts having an effect on the drain current.

Your suggested changes for presenting a regulated bias and constant input impedance are good observations, thanks.

73, George N2APB  
n2apb@amsat.org

PS: A big-brother of this D/E design was documented in QST for May/June 1997, where KN6EK constructed a 500W power amp for 40m with 90+ percent

efficiency. That's a very cool design that Lenny referenced and from which he got the initial idea for his own research.

-----  
End of QRP-L Digest 2776

\*\*\*\*\*  
-----